

# LBJ polls 51% of student vote

President Johnson emerged as the choice of the MIT community in the presidential straw vote held on campus yesterday.

With 2173 undergraduates voting, President Johnson received 1113 votes or 51.3% of the total undergraduate vote. Senator Goldwater received 693 votes for 31.9% of the undergraduate total. Former ambassador Lodge received 276 votes or 13% in a write-in effort.

The Johnson margin was even larger in the graduate school where the Democratic nominee received 577 votes for 68% of the total. Senator Goldwater received 196 votes for 23%, while Lodge received 71 votes and 8%.

## First proxy battle looms for COOP

In what the Harvard Crimson termed a "coop d'etat," a Cambridge businessman, Sheldon Dietz, has submitted an opposition slate of nominees for election to Coop directorship. This is the first time in the Society's 82-year history that the Stockholders' nominations have been opposed.

One of the two MIT Professors nominated is George Kepes. The other, Professor Kevin Lynch of MIT's Department of City Planning, asked to comment on his nomination, replied, "I can't know anything about it."

When informed of his good fortune by The Tech, Professor Lynch insisted that "although I am interested in the outcome of the election, I might be more concerned with the prices of the Coop."

Evidently, Mr. Dietz and his twenty-four cosigners, felt it was not necessary to notify their nominees. As he put it in a telephone call, "It's not my job." He said the purpose of his action was to call attention to the fact the new Coop book store, now being built, at Harvard Square, has aesthetics of questionable value. He hoped that the architecture and planning professors he nominated might prevent this from recurring in the future.

The election will be held today at Harvard Hall at 5 pm. Unless 10% of the Coop's card-carrying members are present, the new officers will be elected by the stockholders as provided in the by-laws.

Only Harvard students are eligible to vote. As Mr. Dietz expressed it, "Trade schools are disenfranchised."

October 23-24

## Symposium draws noted speakers

By John Blankinship

A Symposium on American Women in Science and Engineering was sponsored by the Association of Women Students of MIT on October 23-24. It brought together a group of qualified and interested men and women to explore the personal, social, and economic factors involved in a woman's commitment to a professional career in science and engineering.

A series of addresses and panel discussions held Friday morning, October 23, in Kresge Auditorium probed the opportunities, problems, interests, and contributions of women in science. Delegates throughout the country, professional women, personnel directors, high school guidance counselors, and the entire MIT community were all invited to attend.

Stratton welcomes  
Registration and a welcome address by President Stratton quickly yielded to the issue of the day. In the keynote address, Dr. Bruno Bettelheim of the University of Chicago made no bones about the fact that, "Any woman's most important commitment is being a

the straw vote Johnson also emerged as the faculty's choice. He received the support of 493 faculty members for 89% of the total faculty ballots. Senator Goldwater received 67 votes for the remaining 11%.

The straw vote allowed the full spectrum of student political organizations to indulge in spirited competition for the votes of the student body. The lobby of Building 10 was the scene of consider-

able student political activity with all factions manning booths to distribute campaign propaganda.

The results of the MIT straw vote may be compared with that taken October 20 at Harvard where President Johnson received 86.1 per cent of the vote compared to Senator Goldwater's 13.9 per cent. At the same time Radcliffe gave Johnson 93.1 per cent of the total vote.

Undergraduate Poll		
Johnson	1113	51%
Goldwater	693	32%
Lodge	276	13%
Graduate Poll		
Johnson	577	68%
Goldwater	196	23%
Lodge	71	8%
Faculty Poll		
Johnson	493	89%
Goldwater	67	11%

## JP entertainment adds Jabberwocks, Invaders

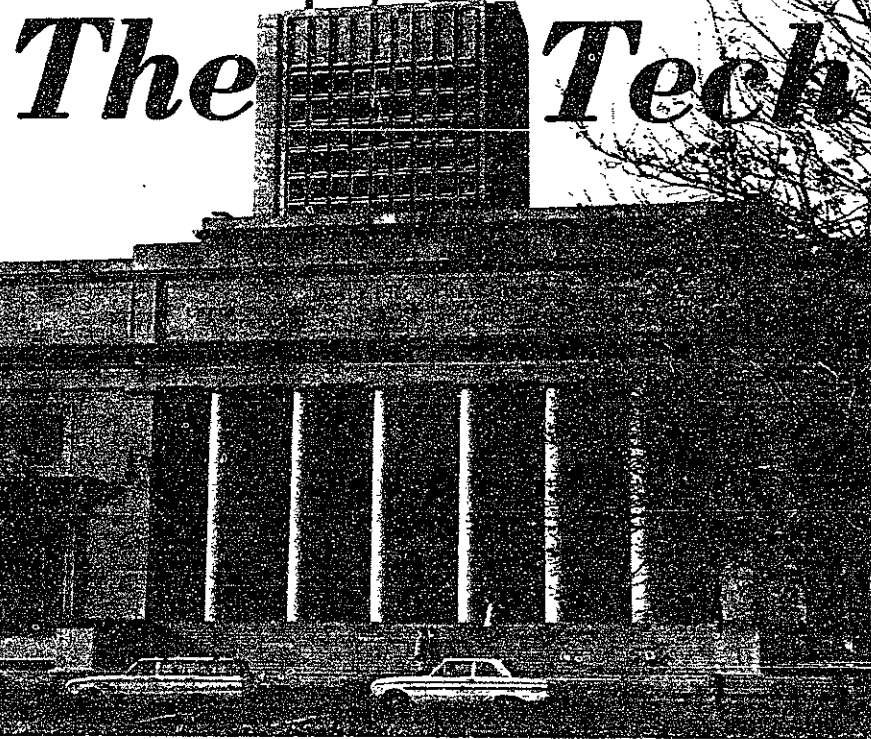
Hank Perritt, Chairman of the Class of 1966 Junior Prom Committee, announced that the entertainment slate for Junior Prom Weekend, 1964, has been completed with the engagement of the Jabberwocks, an octet from Brown University. The group will entertain during the intermission of the Friday night formal dance at the Statler Hilton.

The Jabberwocks are one of the oldest student octets in the country and have played for college functions throughout New England. Last spring vacation they played for a nightclub in Bermuda, and quite recently they made an RCA album with other top college groups in the country. In addition, they have released several of their own albums.

Also entertaining at the Weekend will be the Invaders, a popular MIT group.

Tickets for all day Saturday (at \$10 each) and for Saturday night only (at \$6 each) will go on sale again on Monday, November 2, at the JP booth in Building Ten.

Details on the Queen contest will be made available to social chairmen in the near future, with the deadline for entries set for November 2. Contestants must be dates of Juniors, and a limit of one entry per fraternity and three per dormitory has been set.



Vol. 84, No. 21 Cambridge, Mass., Wednesday, Oct. 28, 1964 5c

## Scientists to orbit Earth

Shortly after the recent Russian space flight of a doctor, a scientist and an astronaut, the National Aeronautics and Space Administration announced that it would shortly start recruiting scientists for future space flights. By next year, 15 to 25 scientists are ex-

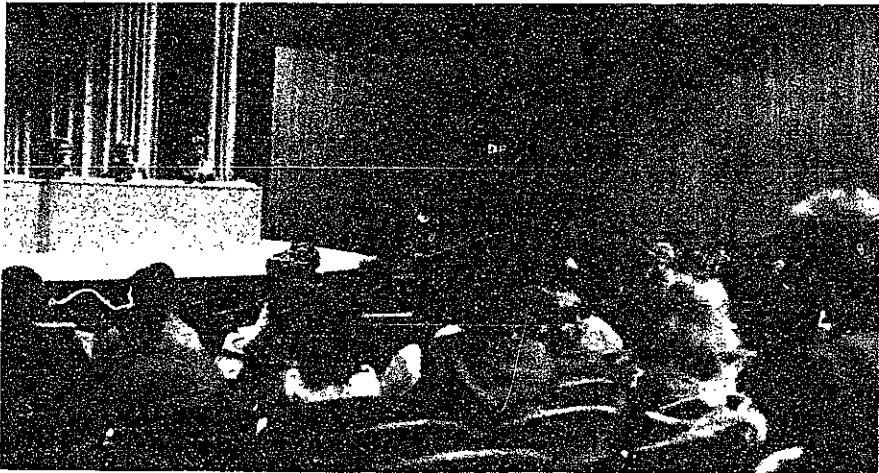
pected to be added to America's list of potential astronauts.

Dr. Stark Draper, head of the Department of Aeronautics and Astronautics, has just returned from a trip and was not able to comment on the effect of the recent call. However he did say that the MIT department had "suggested this idea of two or three years ago" and that "they've been planning this for some time."

Three MIT-trained men were selected for astronaut training last year. They are: Russell Schweickart '56, Major Edwin Aldren '63, and Captain David Scott '62.

While the Soviets sent two of the men essentially as passengers, the United States program calls for an intensive flight training program to qualify our scientists as astronauts.

While the current group of astronauts has argued that they can be trained as scientific observers, the scientific community has long felt that a scientifically trained man was essential for certain observations in space.



Delegates to the MIT hosted Symposium on American Women in Science listen to panel discussions on problems, interests, and contributions of women in science. Discussions took place in Kresge Auditorium.

Photo by Bill Park

woman." He pointed out that this natural urge to become professional mothers imposes on women definite limitations and difficulties in a field of endeavor that demands continuity of attention. He simply concluded that women cannot maintain this continuity as well as men.

Dr. Bettelheim made several

points that were reiterated later. A panel discussion followed which considered the commitments of a woman entering a scientific profession. Moderator Mary Bunting, President of Radcliffe College, brought attention to the traditional hypothesis that, "America doesn't expect scientific advances from women, so why struggle?"

CEP survey released

## Faculty poll sees profs young but hard working

By John Montanus

The Committee on Educational Policy has released its report on the Faculty Survey taken last April. The survey was conducted to obtain reliable information concerning the problems arising from demands on faculty time; of special emphasis was the amount of time devoted by faculty members to teaching duties versus research and consultation.

The questionnaire was mailed to the 767 full-time members of the faculty; 575, or 73 percent, completed and returned the form. All returns were completely anonymous; a profile reveals 36 percent full professors, 30 percent associate professors, 28 percent assistant professors, and 6 percent lecturers, ex-officio faculty members, and humanities instructors.

The report reveals that the MIT faculty is young (average 39 years), rapidly growing (median 5 years on the faculty and 3

years in present rank), and well educated (79 per cent hold doctorates). But some of the standard comments about the non-teaching, non-resident professor find no ground in the survey's data.

The average MIT faculty member does not leave the Institute often; only 15 per cent had been abroad more than twice in three years; 72 per cent have never had a leave of absence for a semester, and 92 per cent had had fewer than 3. 71 per cent of the faculty come to the campus 5 or 6 days a week.

Time spent teaching is fairly difficult to define; the report adds undergraduate teaching (14 per cent of working time), graduate teaching (11 per cent), thesis advising (8 per cent), and student consulting (5 per cent) for a total 38 per cent average work time spent teaching; the faculty used

(Please turn to page 7)

## VP nominee's daughter addresses Republicans

By Allan Green

"This may be the last year you can make the choice available now," said the daughter of the Republican vice-presidential candidate. "Very soon we may have gone too far down the road to socialism."

Libby Miller was the featured speaker at a rally sponsored by the Republican Campaign Coalition at MIT held last Wednesday in the Earth Sciences Building. The other speakers at the meeting were Jack Molesworth, House Speaker John McCormick's opponent in the 9th district race, and Raymond Friessecke, candidate for the state legislature from Cambridge.

Miss Miller told the quiet crowd of 100 that "We've been very happy and encouraged by the great number of young people that are dedicated to and excited about Barry Goldwater this year. They are concerned because they know that the future is theirs, and they don't want to be burdened by the mistakes of an unthinking government."

The Newton College of the Sacred Heart senior said that the main issue of the campaign is "how we want to live at home, and how we want to live in the world. There is a sad lessening in the government's faith in what the American people can do for themselves. We want to see a return to the belief that a balance can be reached between free Americans and their government."

'Natural gas'

Molesworth, a political veteran, began by quipping that, "Lyndon Johnson has the distinction of being the first President to tap natural gas in Minnesota by nominating Hubert Humphrey."

Referring to "our interim President's policies of prosperity, poverty, and perpetuity," Molesworth decried the continuance of an administration of officials "who

(Please turn to page 6)

## Vanishing vendors meant free issues

Last Wednesday's issue of The Tech was distributed free at the normal distribution points within the main buildings. The issue was distributed free because the vending machines were removed to new locations sometime Tuesday night without the knowledge of The Tech.

At press time, Monday night, all of the machines had been located within the main buildings. The machines have been relocated in their former positions around the Institute.

The Tech is available in the vending machines by 9 am Wednesday mornings.

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## Faculty speakers

# Foreign opportunities discussed

By Bob Horvitz

"It's later than you think," declared Prof. John Norton, Foreign Studies Advisor, at a meeting held last Thursday, October 22, for students interested in foreign opportunities. "If you have any hope of really benefitting from any experience abroad, you must make your plans early, especially to obtain a thorough knowledge of the language."

Discussing other aspects of foreign opportunities were Prof. B. Alden Thresher, Foreign Scholarship and Fellowship Advisor, and Mr. Thomas Harrington, Jr., Placement Officer. Mr. Pat Winston '65, Chairman of the Foreign Opportunities Committee, introduced the speakers. The 38 students present at the meeting were a varied group, representing all degrees of MIT work, from the freshman to the graduate level.

Prof. Thresher, discussing means of financial aid available, declared, "There are generally said to be three problems for the student desiring to study abroad: 1) money, 2) language, and 3) general inertia. Actually, this order should be reversed."

"There are a great many ways to finance overseas study," he continued. "However, it takes planning; you can't wait until the last minute. There are literally 1000's of grants available for study in foreign countries. But it is necessary to do a lot of digging and exploration to find those best suited for a particular situation."

Mr. Harrington, while discussing occupational overseas opportunities, revealed the myriad types of positions available, for both summer and year-round work, but because of a special meeting for students interested in working abroad to be held in the next 2 weeks, he did not extensively explain this program. Interested students should see Mr. Harrington in room 24-211.

Prof. Norton explained that with the rapidly increasing number of students interested in foreign studies, MIT is planning the development of a formal program in this area. The first step in this program was the establishment of the position of Foreign Studies Advisor, to which Prof. Norton has been appointed. His two basic duties in this post are to 1) work on a general program for Tech undergraduates, and 2) assist individuals interested in overseas studies. "The general undergraduate program itself," Prof. Norton declared, "will probably not be completed until a few years in the future."

"The program for graduate studies is much simpler," Prof. Norton continued. "The graduate student is much less restricted by formal degree requirements. He is also more interested in research than lectures and seminars, and thus finds the language less of a barrier. We've had a foreign study program for many years here at the Institute confined to the graduate student. Now we'd like to see what we can do for the undergraduate," he concluded.

According to Prof. Thresher, the fellowship awards are available for the 1965-66 academic year:

American-Scandinavian Foun-

dation—for study in Scandinavian countries; February 1, 1965 (approximate deadline).

C.R.B. Advanced Fellowships—for study in Belgium; November 13, 1964.

German Academic Exchange Service—for study at universities in the Federal Republic of Germany; January 15, 1965.

Fulbright and Foreign Government Awards—for study abroad and international exchange of students; October 30, 1964.

Henry Fellowships—for study in England at either Cambridge or Oxford University; December 1, 1964.

Inter-University Committee on Travel Grants—for study and research in Russia; October 30, 1964.

Inter-University Committee on Travel Grants—for study and research in Bulgaria, Czechoslovakia, and Hungary; October 30, 1964.

Peterhouse Research Studentships; for study at Peterhouse College, Cambridge University; April 1, 1965.

Rhodes—for study in England (Oxford University); November 2, 1964.

Rotary International—for study in country other than applicant's own country; April 15, 1965 (for study in 1966-1967).

Swiss Federal Institute of Technology—for study at the Swiss Federal Institute in Zurich; February, 1965.

Information on how to obtain applications for these awards may be obtained from Prof. Thresher in room 1-207 (ext. 2214).

## Varied group at meeting

## Guidance system developed here assembled to be tested in Calif.

The guidance and navigation system that U.S. astronauts will use on round trips to the moon has been assembled at MIT. The system, the G&N4, is being shipped to Downey, California, where an MIT/AC Spark Plug laboratory facility has been constructed to check out and service the system.

Other laboratories, like the one at Downey, are being set up at Grumman Aircraft Engineering Corp., Bethpage, N.Y.; the Manned Spacecraft Center, NASA, Houston, Tex.; and at the Merritt Island Launch Area of the John F. Kennedy Space Center, NASA, Cape Kennedy, Fla.

These laboratories will be staffed by engineers and technicians from MIT and from the companies that make up the industrial team responsible for the production of the Apollo Guidance and Navigation Systems.

Sidney Felix, MIT Senior Representative, along with MIT engineers, will have technical control of the Laboratory's activities. By 1966 the work force at the Downey Laboratory will reach 100 persons, of which approximately five percent will be MIT personnel.

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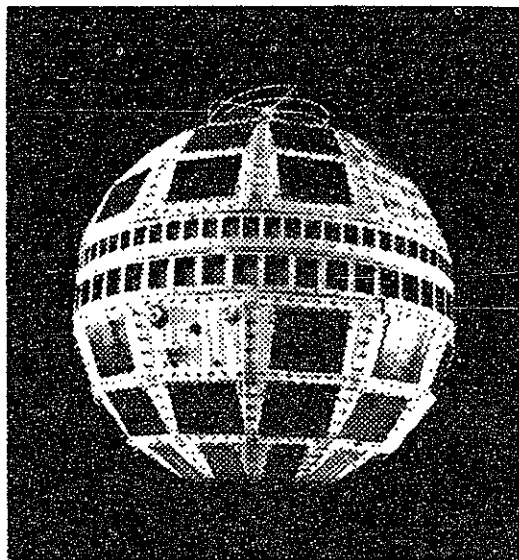
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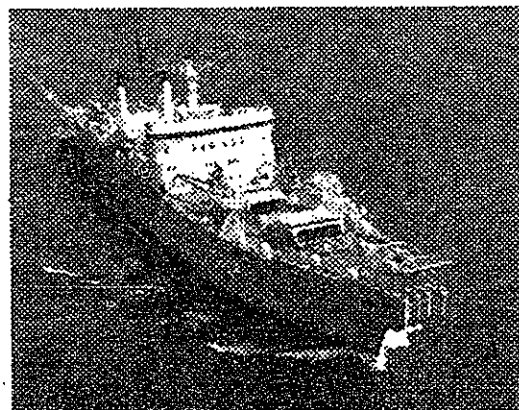


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## New clinical research center for biology has opened in the remodeled Daggett Bldg.

By Louise Lentin

To facilitate the increasing amount of clinically-oriented biological research at MIT, a new 10-bed clinical Research Center has been opened at the Institute. The first of its kind to be established outside of a full-scale hospital or medical school environment, the center was made possible by a grant from the National Institutes of Health. It will enable MIT physicians and scientists to relate research findings to rigidly controlled studies of specifically selected subject-patients.

A supervisory committee with members drawn from the principal research groups and academic departments making use of the facility is responsible for the direction of the Center. Dr. Nevin S. Scrimshaw, Department of Nutrition and Food Science head, is committee chairman and acting program director of the Center.

Final responsibility for the center rests with MIT Medical Department Director, Dr. Albert O. Seeler, who also serves as vice chairman of the policy committee. Assistant program director of the Center is Dr. Lillian Pothier Barlow, who holds certification by the American Board of Internal Medicine.

The Center, located in the remodeled Daggett Building, will be staffed by about 30 persons, exclusive of research personnel.

## Forum draws 800

# Johnson praised, Goldwater opposed

By Roberta Johnson and Allan Green

"Politics is neutral," began MIT Professor of Political Science Lincoln Bloomfield. "It is there to be used for good or evil."

Bloomfield was speaking as moderator of a forum on "the Presidency in the Atomic Age" held last Wednesday evening at the Cambridge High and Latin School.

The meeting, sponsored by Scientists and Engineers for Johnson and Humphrey, featured four other participants: Dr. George B. Kistiakowsky, Harvard Professor of Chemistry and former science advisor to President Eisenhower; Dr. Jerome B. Wiesner, Dean of the MIT School of Science and former science advisor to Presidents Kennedy and Johnson; Dr. Charles H. Townes, MIT Provost; and Dr. Stanley Hoffman, Harvard Professor of Government.

Speaking to a partisan group of nearly 800, the five men were unanimous in the belief that Barry Goldwater is not fit to be President of the United States. Dr. Wiesner, in summing up that attitude, said "as we listen to Goldwater we get the impression that he's running against the Presidency — that he's trying to cut it down to his size."

The Dean pointed out that 'when you're President there's not much time to learn. For the thousands of issues the President must pass judgment on, he must have good instincts, much past thought and experience.

'Good taste'?

Unaware of the pending dismissal of White House aide Walter Jenkins, Wiesner concluded by noting that the President "must

have good taste in people; he should be able to use advice."

In analyzing Goldwater's policies, Professor Hoffman expressed the belief that "his foreign policy would turn into a perpetual game of 'chicken'." He referred to Goldwater's repeated intentions to rely strongly on deterrent force and commented that just as "the only thing you cannot do with bayonets is to sit on them, we cannot sit on our nuclear arsenal."

Dr. Kistiakowsky, talking in more general terms, stated that in foreign policy it is impossible to achieve total victory. He said that one measure of our success is to view it from the other side; the Soviet Union has had to change its policy in recent years to one of peaceful coexistence.

Kistiakowsky was unaware that as he spoke Brezhnev and other Kremlin leaders agreed with him wholeheartedly and were taking steps to alter the situation.

Dr. Kistiakowsky also expressed his concern that "if Goldwater is elected, we may be faced with a foreign policy that is dangerous and catastrophic." The former science advisor recalled that, "although we have tried to

strengthen the non-communist world both economically and militarily, we have become convinced that the nuclear buildup is detrimental to our national security."

Fending off a question from the audience on the advisability of centralized military control, Provost Townes pointed out that "central control does not mean that if a bomb explodes over Washington, it will destroy our ability to wage war." The Provost also said that he felt that Goldwater had sidestepped most of the major issues of the campaign, preferring to wage a battle of personalities instead.

In answer to an audience question about the importance of maintaining the two-party system in America, Dr. Townes concurred, saying "I believe in the survival of the Republican Party."

"But not this year," Dr. Bloomfield quickly added.

## 2 MIT students West Pt.-bound

Two students are needed to participate in a conference on the "National Security Policy of the United States" to be held at West Point December 2-5. Topic of the meeting will be problems related to underdeveloped countries.

Fees and transportation will be paid by the Institute Committee.

The conference is limited to seniors or well-qualified juniors whose studies provide a knowledge of the topic to be discussed. Interested students should contact Professor Jack Saloma at extension 5262 and leave their name and address, or call Betty Hendricks at extension 2696.

## Prof. Reissner got medal Wednesday

Dr. Eric Reissner, professor of mathematics, received the Theodore von Karman Medal at the annual meeting of the American Society of Civil Engineers in New York City, October 21.

Dr. Reissner was honored for his "noteworthy contributions to the theory of elasticity and the theory of plates and shells, and for his outstanding papers on these subjects."

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# Back in the good old days - - college spirit

October always seems a time to reminisce about the good old days, when college life was one long ball and autumn was the time of year when a young man's fancy turned to hell-raising. Usually this sort of nostalgia is dropped with a sigh as the present comes back into focus; but the other day we were reading some of the back volumes of The Tech, and there are a lot of traditions still lingering around—and a few more that ought to be.

The 1939-40 volume is particularly interesting. (See Looking Back, pg. 11.) In those days VooDoo was almost a humor magazine; the trashcan tabby from the Walker attic did her, or its, best to "run the gamut of humor from A to B." Even the sophomores had spirit then; they used to consistently win Field Day. Between 1901 and 1938, the freshmen won only nine times.

Granted that the Institute is tougher than it used to be; still there is plenty of time for relaxation and even a little hell-raising. If the sophomores could rely on a little more support from the whole class instead of counting on a few active fraternity groups to run things, they could defeat the freshmen easily. Hopefully, the sophs may yet rise to meet the freshman challenge. VooDoo, of course, is beyond help.

School spirit is apparently a fairly touchy topic; some Techmen would rather get worked up over elections than over some of the more immediate problems of the campus. Activities feel the

effects of this unconcern; student government is constantly fighting this apathy. In the face of the Administration's handing over increased responsibilities to the undergraduates, there seems to be no increased student response. Instead a heavier burden is placed on a few shoulders—a situation some have chosen to call "bureaucracy."

There is one part of the 'good old days' which should be revived—the spirit of involvement and cooperation in campus life which makes college days a unique experience.

## A woman's place...

We were talking to one of the delegates at the American Women in Science and Engineering Symposium last week, a freshman majoring in chemistry at a small Eastern college. When asked the reason for her choice, she gave possibly the most honest, and certainly the most refreshing, answer we have yet heard: her chemistry professor is the nicest teacher on campus, and his wife lets this freshman use their kitchen. The girl claims no ambition to be a chemist; but she'd like to work for one, or marry one.

This honesty is a delightful contrast to the majority of answers given by college girls, science majors or otherwise. Most of them apparently feel obliged to give some higher goal in life than a career as a housewife. Mention of the high marriage potential of the Boston area seems to embarrass them.

No man can fail to appreciate the contributions of a Madame Curie; but few men fail to insist that a woman's place is in the home. Not only is she particularly talented to manage the type of personal problems that occur in the home; but also, a woman outside the home, working as a professional equal with men ceases to be a woman.

MIT men have never ceased to wonder—and they are not alone—how a woman can cling to her equality and her femininity at the same time. How many times has a lab technician tripped over his test tubes trying to open the door of the refrigeration room for some female colleague, deliberately overlaid in hopes of just such service? How many millions of bacteria have been murdered by contamination with nail polish?

So far the women have succeeded in their plot to have their cake and eat it too. But there is still hope; perhaps a masculinist movement will arise.

## Heiroglyphics

This is of course the season for goblins and ghosties and things that go bump in the night. But what could be the source of the mysterious little symbols that have recently appeared decorating the 364.4 Smootlength Harvard Bridge? Erehwon?

Perhaps some clue to the deeper meaning of these heiroglyphics can be fathomed by close examination. Loosely translated, the symbols proclaim such mathematical profundities as "68 is much greater than 67," and "68 over 67 equals 1" (encoded as WON). An amateur entymologist in the office here assures us that these symbols are descended from such previously discovered signs as "FTF" and "STS."

We wonder whether the mysterious inscribers have investigated the truth or falsity of "5-216 is greater than or equal to minus \$40?"

# Footnotes

By Bill Judnick

Let's complete the study of how MIT conducted the solicitations for the Second Century Fund.

### Progress reports

To report progress to the AC, RC, RVC, and RSOL, regular meetings were scheduled. Informal channels were also used (e.g., notes and telephone conversations).

The SCF Headquarters provided weekly IBM listings of pledges and payments, initially by area and later by regions. These were confidential data.

Four copies were distributed to District Directors which allotted them as follows: one to the District Office, one to the AC, another to the RC, and the last to the RVC.

The SCF Headquarters further provided "Rainbow Cards" for each pledge and payment. This confidential information was prepared in quadruplicate, receiving the following distribution: two for the District Director, one for the AC, and one for the RSOL.

To finish it off, I'd like to give

you a few of the more interesting quotes from the instructions sent to the District Directors, who were running the show:

"MIT has thousands of alumni who have neither received an MIT degree nor contributed to the Alumni Fund or to the Capital Campaign of a decade ago. To identify these alumni see Flat Lists or Information Cards. Please:

"a. Assign all other prospects first.

"b. In assigning these, try to spread the load so that no one solicitor has too many of these low potential prospects."

Another, is somewhat reassuring to the harried district Director:

"What about the Area that has already reached or is near its quota—will it receive a new quota? The answer is 'No.' All kudos to them. The only question is which areas will double and which will triple their quotas?"

An ominous question at the time, no doubt.

## Kibitzer

By Mark Bolotin

Perhaps no bridge play seems so impossible to understand for the average bridge player as the various end plays. However, there is a method which simplifies the procedure of the end play so that in an actual game the end play can become a usable weapon.

This method involves removing one suit from the deck and then dealing three hands from the remaining cards. This method is advantageous because the location of all cards is known—a general requirement for the end play—and because end plays occur much more frequently.

### NORTH

♠ A K 7 6 3  
♥ J 10 6 2  
♦ Q 8 5 2

### WEST

♠ Q J 9 8  
♥ A K 8  
♦ J 10 9 7 6 3

### SOUTH

♠ 10 5 4 2  
♥ Q 9 7 5 4 3  
♦ A K 4

In the above hand South can make four hearts by a throw-in. South pulls trump, takes three diamonds, and ruffs the last diamond. He plays low to the ace of spades, then, leads a low spade to his hand. If West plays low,

the ten of spades is made. If West takes the trick, he is end-played. A diamond return gives a ruff and a sluff; a spade return sets up the ten. Either way South makes four hearts.

### NORTH

♠ A 7 6  
♥ J 10 6 2  
♦ K 8 5 3  
♣ A 8

### WEST

♠ K Q 8 2  
♥ A K  
♦ 10 9  
♣ Q 6 5 4 2

### EAST

♠ 9 4 3  
♥ 8 3  
♦ J 7 6 4  
♣ J 10 9 3

### SOUTH

♠ J 10 5  
♥ Q 9 7 5 4  
♦ A Q 2  
♣ K 7

In the above hand four hearts can be made by a similar throw-in. Trumps are pulled; all diamonds and clubs are played. Dummy is entered with a trump, and a low spade is played. If either opponent has both missing spade honors, that opponent is end-played. The return of a minor suit gives a ruff and a sluff. A spade return sets up the jack. Note, however, that the throw-in is attempted only after declarer observes that diamonds do not break, and that this end play works only if both spade honors be in the same hand.



Vol. LXXXIV No. 21 Oct. 28, 1964

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Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.



PEANUTS appears daily and Sunday in the Boston Herald.



# Mixer season coming to a close soon

This column winds up Cherchez la Femme for the year, since the mixer season is drawing to a close. This week there are few mixers to report, but next week looks better.

This Friday is the Charlesgate computer mixer, and those still interested may be able to get the information in today . . . if they take it over themselves. But panic now or don't bother. Even a computer needs time.

There is something of unspecified nature being presented Friday in Norwood. It is billed as a Halloween Party, but apparently

will have some aspects of a mixer. The Aquilo Club, also called the Junior League of the Swedish Charitable Society of Greater Boston, is running it. There is Scandinavian dancing, and a "small admission" will be charged, with admission for those not in costume small plus 25c. The party will be at Runeberg Hall in Norwood.

That is apparently all that's happening this week, but watch the bulletin boards. Last week, for example, the Pershing Rifles called me Tuesday night to tell me about their mixer. Since in-

formation has to be here Monday, the only way for readers to find out was through posters.

Next week is BU's week, apparently. November 6 is the date for the Marlboro House mixer mentioned last week. Since there are only 30 girls, admission will be limited to ticket-holders, and maybe persons holding college ID will be admitted if there's room later in the evening. Call Louise Rice, at 247-7844 for tickets or further information.

Brook Hall will be giving a mixer either Nov. 6 or 7. The date will be determined by the time this column comes out, and you can find out the date and other information by calling Student Information, CO 2-4300. Please don't call Brook House, since they can't handle the information dispensing themselves.

West Campus also had tentative plans for a mixer, but plans are up in the air right now, since their social chairman has resigned. Things should be clearer in a week or so, and information should be available then by calling West Campus and asking for the social chairman.

(Please turn to Page 13)

## 'A human genius'

# Show discusses Wiener

By John Blankinship

The story of the late Norbert Wiener was featured by Channel 2 on "Pathfinders" Monday, October 19 at 7:30 pm and repeated Saturday, October 24 at 8:30 pm. Founder of the science of cybernetics that has produced high-speed computers, he spent most of his life in Boston as a professor at MIT.

Host Benjamin DeMott came to Boston to speak with the men who knew Wiener best. Walter Rosenblith, Professor of Communications Biophysics, and Peter Elias, head of the Electrical Engineering Department explained the nature of his work. Dr. James R. Killian, Jr., Chairman of the MIT Corporation, spoke of Wiener as a person.

As clarified by Walter Rosenblith and Peter Elias, cybernetics is the comparative study of complex calculating machines and the human nervous system. The men added that Wiener's work became a meaningful philosophy to him. Where he could not clearly separate man from machine, Wiener saw danger and appealed that man define his uniqueness before he loses it altogether.

They pointed out Wiener's phenomenal foresight that not only paved its way into pioneer science but anticipated its own effects on mankind. He believed that machines should be servants to man and not servants for man just for their own sake. Concerning this, he once said: "If we are making the machine for the machine's sake . . . we might as well abdicate at once."

Dr. Killian remembered the years when he was once one of Wiener's students. He used to wander around the halls just gazing up at the ceiling. He often stopped to talk for awhile with foreign students and was familiar with twelve languages. In general he enjoyed a good bull session. Dr. Killian admired Wiener who balanced such a great power of intellect with a genuine feeling of human relationship. Wiener always held the firm conviction to bring the meaning of science closer to people. After his death one of his closest students wrote in an obituary: "He was a genius, but a human genius."

Benjamin DeMott discussed the stress and humiliation of Wiener's youth. He broke into the third grade at the age of three and obtained his doctorate from Harvard at the fledging age of nineteen. DeMott revisited the saddened classrooms and offices that Wiener instructed and worked in at MIT.

Lastly, the effects of automation, a phenomena for which Wiener was largely responsible, were explained by Robert Slater, senior vice-president of John Hancock Mutual Life Insurance Co.

## Major companies to interview here during November

The following companies will be interviewing on campus during November.

Interviewing on November 16 will be: American Electric Power Service Corporation; Atlas Chemical Industries, Inc.; Gillette Safety Razor Company; Pittsburgh Plate Glass Company; Westinghouse Electric Corporation; NASA/Langley Research Center; National Institute of Health/U. S. Department of Health, Education, and Welfare; and the U. S. Bureau of the Budget.

Texas Instrument, Inc. will interview on November 16 and 17. The following divisions of the Bell Telephone System will interview on November 17 and 18; Bell Telephone Laboratories, Sandia Corporation, Bell Telephone Companies and A. T. & T./long lines, Western Electric Company.

Interviewing on November 17 exclusively will be Cornell Aeronautical Laboratories, Inc.; Dewey and Almy Chemical Corporation Division/W. R. Grace and Company; the Little FMC Corporation; and The Perkin-Elmer

(Please turn to page 12)

**Protestant Ministry at MIT—**  
**Protestant Christian Association**  
 317 Memorial Drive Ext. 2325  
 Worship - Seminars - Lectures - Friday Forum - Action - Projects - Conferences  
**FRIDAY FORUM 5:00 P.M. Penthouse Bldg. 35**  
 October 30 panel of Foreign Students  
**AMERICAN CONSERVATISM**  
**SEEN FROM ABROAD**  
 Sunday Worship November 1, 11 A.M. MIT Chapel  
 The Reverend James P. Breedon  
 Canon, St. Paul's Episcopal Cathedral, Boston  
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Boeing is one of the nation's major manufacturers of heavy transport helicopters (Vertol), and for more than two decades has pioneered most of the world's applications of the small gas turbine in aircraft, industrial, marine and vehicular fields.

And the space age? Boeing's contributions here include major contract responsibility for the Minuteman ICBM and NASA's Saturn V Booster—the launch vehicle destined to send America's first lunar landing team to the moon. We're also working full blast in all other phases of space flight, including a manned earth-orbiting laboratory and a lunar orbiter.

Projects underway in Boeing's extensive Scientific Research Laboratories encompass basic and applied research in celestial mechanics, solid state

physics, nuclear and plasma physics, terrestrial and space flight sciences and allied human factors.

Engineers and scientists at Boeing work in small groups, under supervisors picked for ability to inspire and promote the ideas of their associates. Individual initiative and ability get plenty of exposure that way. (The company encourages graduate studies at leading colleges and universities near Boeing installations.) Boeing is an equal opportunity employer.

We're planning to interview engineering and science seniors and graduate students on campus on the date listed below. So drop in at your campus placement office and arrange an appointment. We'll be looking forward to meeting you.

Monday through Thursday — November 2, 3, 4 and 5

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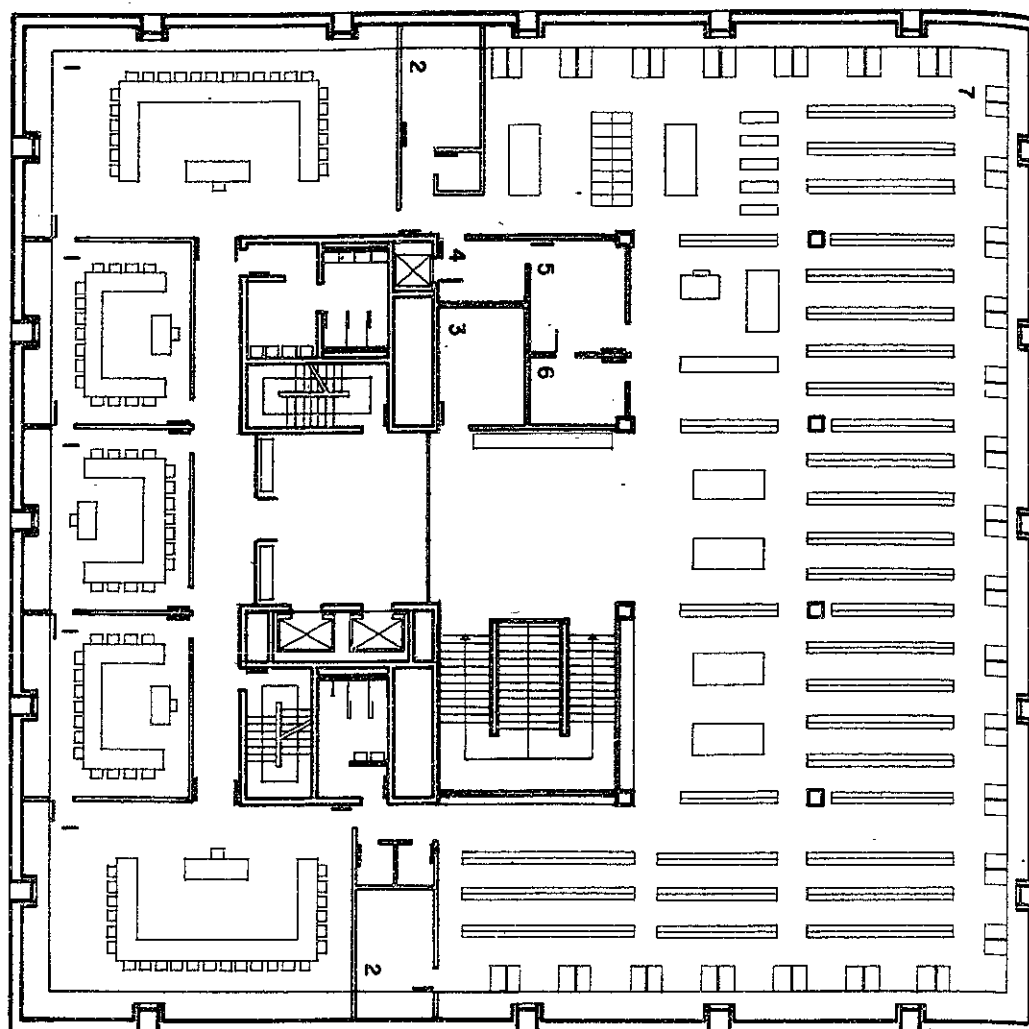
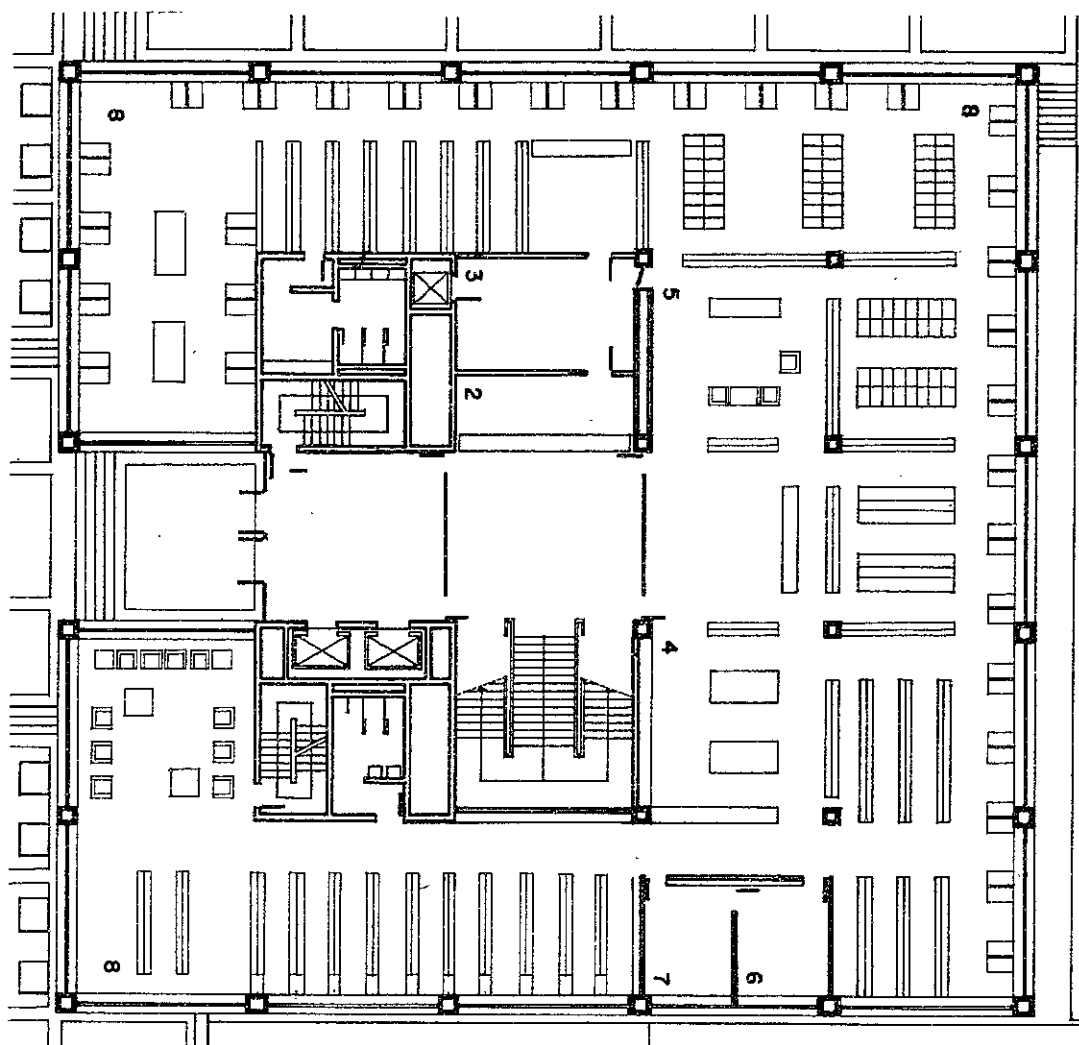
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# Catalano releases plan for new Dewey Library



MIT's architect, Eduardo Catalano, last week released plans of the new Dewey Library. The economics and Industrial Management library will occupy the first 2 floors of the new Hermann Building which Professor Catalano has designed. The new library will have a capacity of 100,000 volumes and will contain 250 seats. More than 20,000 square feet of floor space will be provided to help relieve the present overcrowding in the library. The political science collection, now in the Hayden Library, will be transferred to the new facilities to complete the collection of Course XIV and XV material.

The numbers on the first floor on the left, above, correspond to the following facilities: 1) Entrance Lobby, 2) Circulation, 3) Receiving and Processing, 4) Reference, 5) New Book Display, 6) Librarian's Office, 7) Associate Librarian's Office, 8) Reading and Research Area, 9) Alfred P. Sloan Building. The key to the second floor, on the right above, is as follows: 1) Seminar Rooms, 2) Conference Room, 3) Microfilm Room, 4) Receiving Room, 5) Industrial Relations Work Room, 6) Industrial Relations Librarian, 7) Reading and Research Area.

## Molesworth on GOP:

### No extremists in party

(Continued from Page 1)  
have swept under the rug such scandals as Bobby Baker and Walter Jenkins."

"How," he asked, "can we have a moral rebirth with men like LBJ and McCormick in Washington? Our national symbol is rapidly changing from an eagle to the ostrich."

#### No extremists

Inference to charges that the Republican Party had been infiltrated by the John Birch Society, Molesworth declared that there were no extremists in his party. "However, it is a fact that the Democratic Party has been taken over lock, stock, and barrel by extreme left-wing radicals. The ADA is in the government today, and holds real positions of power."

Friessecke, a former MIT graduate student, also attacked the Johnson Administration. "If we are to avert a total war or a total surrender," he said, "we must put up a better fight in the cold war. Soviet domination doesn't depend on real conquests, just displacement of Western influence." He mentioned South Viet Nam as one of the most glaring failures of the Johnson policy.

The Republican Coalition at MIT, which sponsored the speakers, is composed of Students for Goldwater, Young Americans for Freedom, and the Young Republicans.

Mike Leavitt, chairman of Students for Goldwater, and Dave Nolan, vice-chairman of the Massachusetts Students for Goldwater group, also spoke.

THE  
COOP

## Annual Meeting

The annual meeting of the membership of the Harvard Cooperative Society, in accordance with Article XIV of the By-Laws, will be held in . . .

**Harvard Hall 1**

**Wednesday, Oct. 28, 1964**

**5 p.m.**

Members who have joined since July 1, 1964 are Participating Members and are cordially invited to attend.

THE TECH COOP

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# Student Center reading room plans released

The line drawing of the Student Centre reading room which appears to the right was drawn especially for The Tech by its architect, Professor Eduardo Catalano. The addition of a fifth floor to the Center was approved earlier this year; it is expected to be completed by the third week in June, 1965.

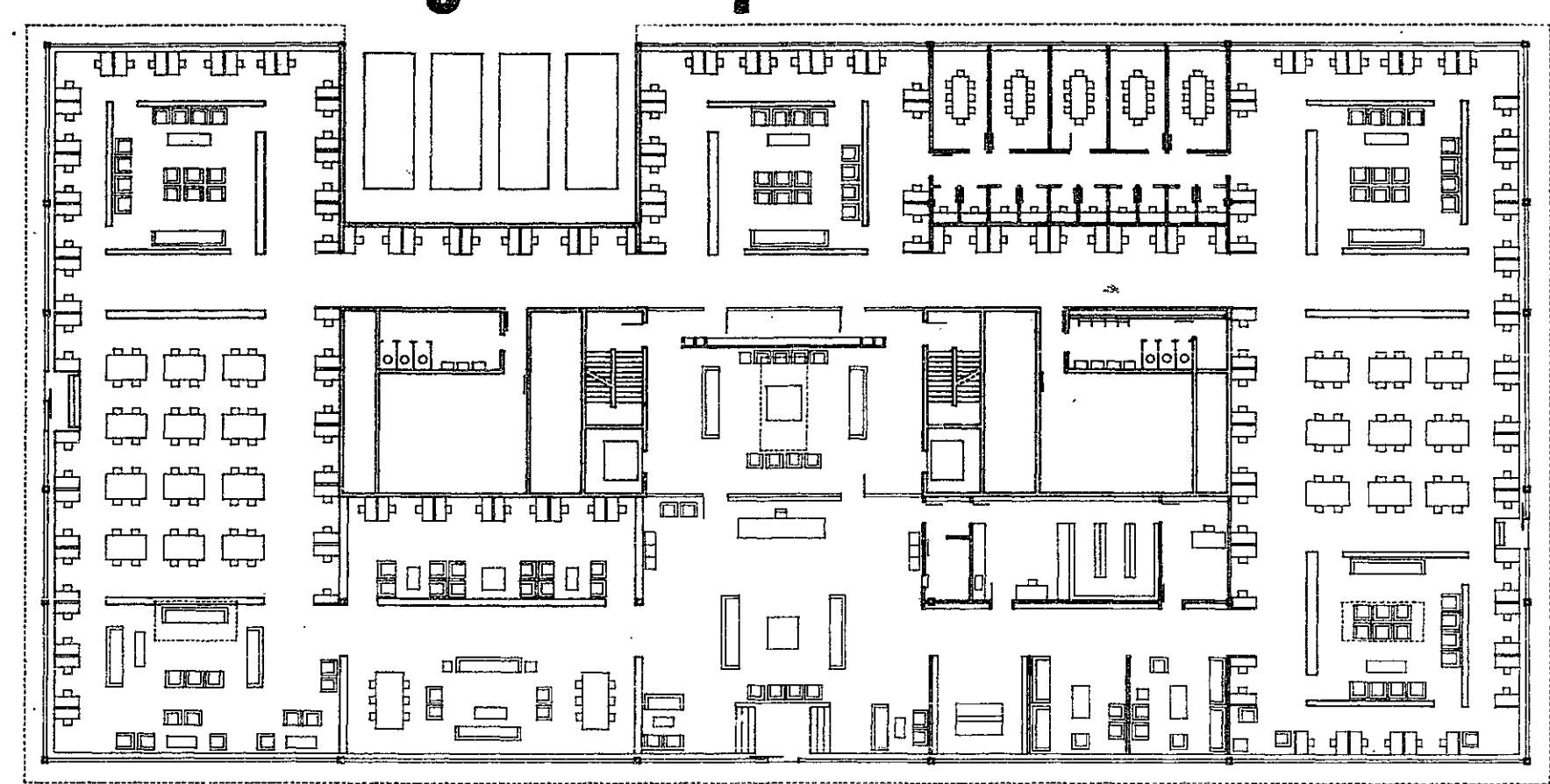
The reading room and its lounges will cover a total area of 25,000 square feet. It will contain approximately 12,000 to 15,000 reserve books, distributed by subject along a continuous space divided by free standing partitions.

The number of seats will be close to 500, distributed among 150 carrels, 160 seats at tables, and the rest as arm chairs.

Beside the lounges, there are 10 private typing booths, five study rooms furnished with tables and blackboards for groups, a reference room, an Xeros room, and a private central lounge, for informal use, illuminated by a large transparent skylight. This lounge will also contain coat closets and telephones.

The area is fully air-conditioned, carpeted and illuminated by a plaster coffer ceiling that eliminates direct view of the lighting fixtures.

The construction of the struc-



ture of the Student Center will be finished early in December. Total construction cost of the reading room, completely furnished is expected to run about \$700,000.

## Teaching important

## Faculty report maps professors' day

(Continued from Page 1)

a 56-hour work week, so this comes to 21 hours of teaching weekly.

The younger faculty teach undergraduates more, while the older teach graduate students, yet full professors spend 46 per cent of their teaching time with undergraduates. There is a mild preference for graduate teaching; 50 per cent prefer it, 33 per cent have no preference, and 17 per cent prefer undergraduate teaching. Administrative duties added another 5 hours, for a total 47 per cent direct Institute working time.

Research, writing, and study take another 28 per cent of faculty working time; professional meetings, conversations, and correspondence another 13 per cent. This makes a total 88 per cent academic work. Consulting takes only 8 per cent of the average faculty member's working time.

As noted, the stated mean work week is 56 hours; 49 hours are spent at MIT. This work is re-

flected in the complaint by 21 per cent of the faculty that pressure is the least attractive aspect of being an MIT faculty member.

Another comment on time was that when pressure was applied, research was dropped most often, then consulting, and finally teaching. Only 9 per cent of the faculty had to postpone, cancel, or secure a substitute for an undergraduate class more than twice.

The average faculty member makes 75 per cent of his income from MIT. There are some who make less than 25 per cent at the Institute; except for this extreme group (about 5 per cent) the time devoted to teaching, administration, etc., varies little with outside earnings.

Another aspect of the importance of teaching at MIT is its value, compared with research, in determining promotions. Most professors feel research takes precedence; most also feel, however, that the two should be of equal importance.

Dr. Ithiel de Sola Pool, profes-

sor of political science who analyzed the results, feels that the survey challenges notions "about the affluent professor" who seldom sees a student... buried in research who regards teaching as a chore... a few individuals can be found who lend a basis to the stereotype but they are a small minority... and probably a useful one.

An institution with the unique role MIT plays in national affairs is perhaps obliged to afford a few individuals whose contribution is extramural in the society at large," Professor Pool concluded.

## Frosh rebuke sophs in attempt to crash council meeting

Two members of the Class of '67 unsuccessfully attempted to enter a meeting of the Freshman Council Monday, October 19. The Freshmen in attendance tried to eject the Sophomore intruders forcibly from the meeting which was held in Room 5-218.

The window of the door to the room was broken during the scuffle. According to Ed Hoffer '65, Chairman of Institute Judicial Committee, the replacement cost for the broken window will be shared equally between the Freshman Council and the Sophomores involved.

## Spring Weekend

David Rubin '65 was elected Chairman of the Spring Weekend Committee at the Institute Committee meeting held last Saturday.

In the near future, Rubin and the executive committee of Inscomm will choose an additional six committee members. About 40 upperclassmen have expressed interest in serving on the Spring Weekend Committee.

The committee will handle all arrangements for the weekend which is currently scheduled for April 24.



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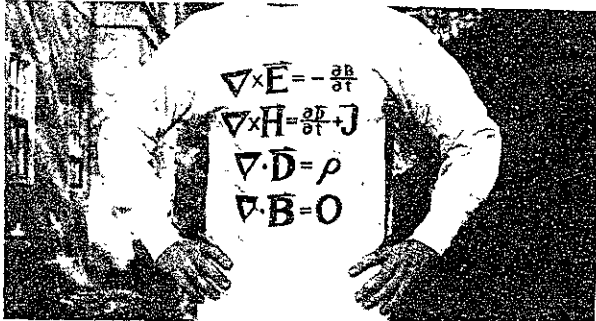
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# Ayn Rand to be at first lecture of Branden Institute Objectivism series

Ayn Rand, author of 'The Fountainhead' and 'Atlas Shrugged' will speak at the opening of the Boston series of 'Basic Principles of Objectivism: The Philosophy of Ayn Rand.' The series, offered by the Nathaniel Branden Institute, will be held at the Hotel Commander, in Cambridge, October 30 at 7:30.

Nathaniel Branden, the author of 'Who is Ayn Rand', will also

lecture on the nature of Objectivism. A question and answer period will follow.

The Branden Institute, organized in 1958, offers lecture courses on Objectivism and its application to the social sciences. From its offices in New York City, it gives this series in more than fifty cities in the United States and Canada.

After the first lecture, the series will be given by tape transcriptions.

Admission will be \$3.50, \$2.75 for students.

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**The Bluegrass Boys**  
Tickets: \$4.00, 3.25, 2.80, 2.20

## movies . . .

By Jeff Stokes

One could point out similarities between the Hollywood movie and the plays of the Elizabethans. In the sixteenth century writers took the basic elements of human activity—love, death, comedy, and the struggle to succeed—and wove them into an intricate and sometimes original plot, delivering the whole in a highly standardized manner. Hollywood has likewise achieved a medium with definite characteristics of style and through which almost any intrigue can be presented.

What are the characteristics of

## MIT Charities Drive ends officially tonite

The 1964 MIT Undergraduate Charities Drive will officially end tonight.

This year's drive is being run jointly by Alpha Phi, Omega and Technology Community Association. Co-chairman for the drive are John Neyhard '66, APO, and Paul Lindsey '66, TCA.

As of Monday night, there was no definite indication of the amount collected in this year's drive. The charities represented in the current campaign include: American Cancer Drive Society, Care, United Fund of Greater Boston, World University Service, and local Cambridge settlement houses.

The 1963 MIT Undergraduate Charities Drive collected \$670 for similar charities.

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## Hollywood style scores again

**'WHERE LOVE HAS GONE'**, a Joseph Levine production, starring Michael Connors as Luke, Susan Hayward as Valerie, and Bette Davis as Mrs. Hayden, now playing at Music Hall.

this 'Hollywood style?' 'Where Love Has Gone' exemplifies these elements quite clearly. The story is an ordinary human drama, involving love, death, and ambition; it occurs in a wealthy and influential stratum of society, among the best of people, but in a milieu that is thoroughly modern and thoroughly American; and the characters come to grief through a flaw in their own greatness. Most important, there is a certain distinctive manner of speech, of disclosure, and of staging that you are all familiar with. One might say that Hollywood is to our own century what Shakespeare and his colleagues were to the sixteenth.

'Where Love Has Gone,' then is a drama that comes in the standard Hollywood style. It bears an unusually fine tale, and its faults are the faults of the style in general—pomposity of the characters, overwrought emotional scenes, overuse of cliches, and flagrant neglect of realism. Only on the Hollywood screen do normal, sane adults throw things when they get angered.

The story itself comes from a book of the same name by Har-

old Robbins, which is in turn derived from an actual occurrence. Luke Miller, a young and ambitious construction engineer, marries the artist daughter of a rich San Francisco matron. Old Mrs. Hayden makes a perfect villain of herself by playing with other people for her own ends, namely money and the preservation of the Hayden family honor. It is no wonder that her daughter Valerie, played by Susan Hayward, hates her. Mrs. Hayden, driven by her greediness, brings about a quarrel between hero and heroine. Luke turns to drink, Valerie turns to sex, and the result is divorce.

It is not long before their precocious daughter in a fit of jealousy murders her mother's and her own illicit lover. This starts the chain of events that would have drawn Luke and Val back again. Then the final catastrophe occurs and we see Luke walking alone out over the rocky and wooded field that is the graveyard. It leaves one with an exquisite sense of tragedy and a strange feeling of freedom.

One of the most amusing and at the same time ironic elements of the movie is the sublime sadism of the women. If you enjoy watching two women insult each other for ten minutes at a time, I think you will like this latest edition of the Hollywood art.

## Making the Scene

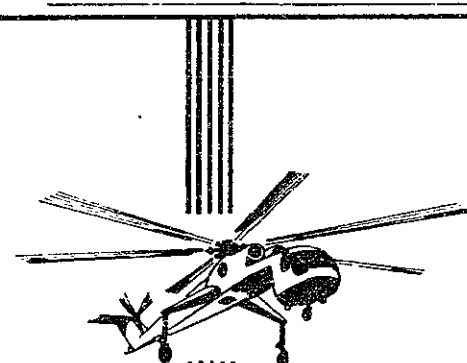
	S	M	T	W	T	F	S
<b>MUSIC</b>				28	29	30	31
New England Conservatory Chamber Orchestra — Oct. 28: Frederick Prausnitz, conductor; program: Vivaldi, 'The Seasons'; Petrassi, 'Sonata da Camera'; Dallapiccola, 'Fregliere'; and Nono, 'Incontri'; 8:30 p.m.; Jordan Hall; admission free.	1	2	3	4	5	6	7
Gardner Museum — Concerts: Oct. 28, Roxy Tsang, piano; Oct. 31, The Bach to Bartok Players; Nov. 1, Gina Davis soprano, Hubert Doris, piano; Nov. 3, Chonghyo Shin, piano. All concerts at 3 p.m.; admission free.	8	9	10				
M.I.T. Concert Band — Concert Oct. 30, 8:30 p.m., M.I.T. Kresge Auditorium; program: 'Overture' by Felix Mendelssohn, 'Fantasia' by Vittorio Giannini, 'George Washington Bridge' by William Schuman, Three Pieces for Band by Edward Miller, Norman Dello Joio's 'Variants on a Medieval Tune', and 'Jericho' by Morton Gould. Admission free to Tech men, \$1.00 for others.							
Folklore Concert Series—Doc Watson and Bill Monroe and his Bluegrass Boys; Oct. 31; Jordan Hall; 8:30 p.m. tickets \$2.20 to \$4.00.							
Cambridge Chamber Orchestra—Concert Nov. 1; program: Bach, Brandenburg Concerto No. 4, (Telemann, 'Concerto in F' for recorder, Handel, 'Tria Le Flamine,' and Bach, 'Ricercare,' Peabody School Auditorium; tickets \$1.50.							
Back Bay Theatre — Sammy Kaye; Nov. 3, 8:30 p.m.							
Symphony Hall — Oct. 30, 8:30 p.m., Clancy Brothers; Oct. 31, 11:00 a.m., Boston Symphony Orchestra, Youth Concert; Nov. 1, 3:00 p.m., Handel and Haydn Society.							
<b>LECTURES</b>							
Ford Hall Forum — Nov. 1, 8:00; Walt Kelly (on political extremes), Jordan Hall.							
Ayn Rand — and Nathaniel Branden on 'Basic Principles of Objectivism,' Hotel Commander, Oct. 30, 7:30, \$2.75 (students) and \$3.50.							
<b>NEXT WEEK MUSIC</b>							
Celebrity Series — Concerts: Lorin Hollander, piano virtuoso, Nov. 5, evening; Warsaw Philharmonic, Nov. 8, afternoon; Symphony Hall; series tickets only.							
Back Bay Theatre — Peter, Paul, and Mary; Nov. 6, 8:30 p.m.; tickets \$2.50 to \$5.00.							
Folklore Concert Series — Josh White; Nov. 6, 8:30 p.m., John Hancock Hall; tickets \$2.20 to \$4.00.							
M.I.T. Orchestra — Concert, Nov. 7, evening; M.I.T. Kresge Auditorium.							
Boston Symphony Orchestra Chamber Players — Inaugural concert, Nov. 8, 8:30 p.m.; Sanders Theatre; tickets at Symphony Hall Box Office, \$2.50 to \$4.00.							
M.I.T. Humanities Series — Juilliard and String Quartet; Nov. 8, 3:00 p.m.; M.I.T. Kresge Auditorium; single admission \$2.50, series tickets \$10.00.							
Jordan Hall — Quartet and Opera Excerpts; Nov. 8, 3:00 p.m.							
Symphony Hall — Liberate; Nov. 8, 8:30 p.m.							
Ford Hall Forum — Nov. 8, 8:00 p.m., James Farmer (on civil rights and integration), Jordan Hall.							
Burg Lecture — Raphael Patai, sponsored by Hillel, Nov. 8, M.I.T. Kresge Auditorium.							

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**White Mountain Ski Runners**  
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and his 1964  
Ski Movie  
**"Snow Motion"**  
JOHN HANCOCK HALL  
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Thursday, November 5



# 1890 'Art Nouveau' on exhibition

By H. Meriden Wallingford

The Gropper Gallery, underneath the Brattle Theatre, has mounted an excellent show of posters and prints from the "Art Nouveau" era of the 1890's. This style, which saw the triumph of pattern govern all things, lent itself easily to graphic arts, and particularly to the creation of advertising posters with genuine artistic value.

The Gropper shows mainly the work of George de Feure, much of which is imitative and banal. There are portraits and studies here in the styles of Bonnard and Lautrec . . . and one work by each of these artists is included, possibly for comparison purposes.

But in deFeure's advertising posters, something of an individual style emerges. There is one, an ad for a casino, in which the figure of a girl in Spanish costume stands at the far left, and her bright orange dress swirls across the bottom of the composition with an organic life of its own. In a poster-portrait of the dancer Isita, there is a tangle of ribbons that writhes like jungle growth. Ribbons, tangles of long, free-flowing hair, and billowing gowns, were almost trade-marks of Art Nouveau.

There is also a series of lithographs here, "Bruges, Mystique et Sensuelle", which derives most of its inspiration from a washed-out misunderstanding of Symbolist poetry. The scenes of roof-tops and alleys are more murky than "mystique", and the figures convey little except melodrama and self-consciousness.

In two of them, however, the peculiar vision of the period makes itself felt. A rustic cottage thrusts itself up in one place, all lumpy and irregular, looking like an architectural fantasy by Antonio Gaudi. In another, a row of trees

is shown bordering a roadside in deep background. But here, the foliage has been thrown together into one long, unbroken and undifferentiated smear—a long, solid, cloud-like form. Below it, the tree-trunks have been stylized into thin, curving lines, like pillars of smoke which flair at the top to join themselves to the mass.

This sinuous, pattern-making stylization is the essence of the Art Nouveau style. Flat, curvilinear patterns, that only suggest organic forms or vegetative growths, dominate every facet of this period, even the shapes of letters.

The master poster-artist of the period, Alfons Mucha, is represented here by a poster for "JOB Cigarette Papers". A plump young girl sits on a billowing black cloud of her own tresses, watching smoke curl in lively linear patterns from a cigarette. A saucily bare foot peeks from the folds of her red dress. A brooch at her bosom is a stylized intertwining of the letters "Job". The background of the whole composition is a mosaic built of this same brooch, repeated endlessly.

In the two posters by Toorop, the end-result of such pattern-making is apparent. Every inch is a stylized pattern, down to the figures, even the faces. The all-pattern appearance makes it impossible to guess what is being advertised here.

The Gropper show is enlivened by many ornamental lamps and goblets in this same period style. A plump young nude (in brass) swings from the ceiling, brandishing a spray of light-bulbs shaped like lillies. A pair of metal butterfly-wings have been bolted to her



This Alfons Mucha poster, done around 1900, advertises Job Cigarette papers in purples and reds.

shoulders. This is probably the essence of Art Nouveau.

The renovated Brattle basement gives the Gropper fresh and pleasant quarters, and some of the show is still visible in display-cases when the gallery itself is closed. The show runs through the seventeenth of October.

## BSO Concert

Friday, Oct. 30, 2 p.m.; Saturday, Oct. 31, 8:30 p.m.; Symphony Hall; Sir John Barbirolli conducting: Berlioz, Overture, "The Roman Carnival," Op. 9; Delius, "The Walk to the Paradise Garden," Vaughan Williams, Symphony No. 6, Sibelius, Symphony No. 2, in D major, Op. 43.

## HARVARD SO UN 4-4380

"Night of the Iguana" 2:35, 6:00, 9:25  
"Tomorrow at Ten" 1:15, 4:35, 8:00.

## BRATTLE SO TR 6-4225

Through Saturday:  
Beatrice Lillie in  
"On Approval Only"  
plus Gogol's  
"The Bespoke Overcoat"  
Sun.-Mon.-Tues.  
Rossellini's "Open City"  
Shows Daily 5:30, 7:30,  
Matinees Sat. and Sun.  
at 3:30

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## MISSISSIPPI

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OCTOBER 19 — NOVEMBER 1

## Movie Schedule

ASTOR — "Lilith," 9:30, 11:30, 1:30, 3:30, 5:30, 7:30, 9:30.

BEACON HILL — "Topkapi," no time available.

BOSTON CINERAMA — "Mediterranean Holidays," evenings 8:00, matinees Wed., 2:00 Sat. and Sun. 2:00 and 5:00.

BRATTLE — Through Sat.: Beatrice Lillie in "On Approval," plus Gogol's "The Bespoke Overcoat," Sun.-Mon.-Tues.: Rossellini's "Open City." Shows daily 5:30, 7:30, 9:30, matinees Sat. and Sun. at 3:30.

CAPRI — "One Potato, Two Potatoes," 10:45, 12:35, 2:25, 4:15, 6:05, 7:55, 9:45; Sun., 1:45, 3:35, 5:25, 7:15, 9:05.

CINEMA KENMORE SQUARE — "Girl with the Green Eyes," 2:25, 4:00, 5:50, 7:45, 9:25.

COOLIDGE CORNER — "Behold a Pale Horse," 2:55, 9:40, Sat., Sun., 1:00, 5:20, 9:30; "The New Interns," 12:45, 7:30, Sat., Sun., 3:00, 7:20.

EXETER — "Murder Ahoy," 2:00, 3:45, 5:35, 7:20, 9:10.

GARY — "Mary Poppins," 9:00, 11:30, 2:00, 4:30, 7:30, 9:30.

HARVARD SQUARE — "Night of the Iguana," 2:35, 6:00, 9:25; "Tomorrow at Ten," 1:15, 4:35, 8:00.

KEITH MEMORIAL — "Send Me No Flowers," 11:25, 2:50, 6:10, 9:40; "Blood on the Arrow," 9:40, 1:00, 4:25, 7:50.

LOEWS ORPHEUM — "Fallsafe," 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:50.

MUSIC HALL — "Where Love Has Gone," no time available.

PARAMOUNT — "False Shame," 9:20, 12:30, 3:35, 6:40, 9:50, Sun., 3:00, 6:15, 9:35; "Ring of Treason," 10:55, 2:05, 5:10, 8:15, Sun., 1:20, 4:40, 8:00.

PARK SQUARE CINEMA — "Seduced and Abandoned," 1:30, 3:35, 6:40, 7:45, 9:55.

PARIS — "West Side Story," 1:15, 5:30, 9:45; "Black Orpheus," 3:45, 8:00.

SAXON — "My Fair Lady," evenings 8:30, matinees Wed., Sat., and Sun., 2:00.

WEST END CINEMA — "The Empty Canvas," 11:35, 1:35, 3:30, 5:25, 7:20, 9:15.

## Theatres

CHARLES PLAYHOUSE — "A Touch of the Poet," Wed. at 8:00, Sat., 5:30, 9:00, Sun., 3:00, 7:30, other evenings except Mon. at 8:30.

SHUBERT — "Zizi," evenings 8:30, matinees Wed. and Sun.

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Tickets: 5.00-4.00-3.50-2.50  
Enclose stamped self-addressed envelope for mail orders to:  
BACK BAY THEATRE - Mass. Ave.  
Boston, Mass.

## Boston Theatre Company to train students with interest in theatre

The Theatre Company of Boston will give a production training program for serious students of the theatre this year. Candidates will be admitted to the Company's rehearsals and will spend two afternoons or two evenings a week on various aspects of production. They will also work on at least one of the Company's series of stage readings.

No fees will be charged, but a certificate will be given to those who have successfully completed the program. Selections will be made by the producers throughout the year from applicants with theatre experience and enough available time. Those interested

should write The Theatre Company of Boston, 1138 Boylston Street, Boston.

In the coming weeks the Theatre Company will give 'A Slight Ache' and 'Talking to You' (through November 1) and 'Caligula' (November 5 through 22). Other productions will include 'Him,' 'The Good Woman of Setzuan,' 'Live Like Pigs,' and 'When We Dead Awaken.'

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## LECTURE SERIES COMMITTEE CALENDAR

### Contemporary Series

**NORTH BY NORTHWEST**

Friday, October 30

7:00 9:30

26-100

50 cents

### Entertainment Series

**PROMISES, PROMISES**

Saturday, October 31

5:15 7:30 9:45

No freshmen admitted unless accompanied by an upperclassman

26-100

50c

### Classic Series

**THE LAST LAUGH**

Sunday, November 1st

10-250 8:00

Admission by series ticket only

movies...

# 'Topkapi' another comedy-thriller

By Andy Seldenfeld

Ever since 'Charade' had such great box-office success, we have seen several omedy-thrillers, 'The Pink Panther' being just another example. And now we have 'Topkapi', playing at the Beacon Hill Theater. This film is also about a piece of jewelry, the fabulous Topkapi emeralds of Istanbul.

As could be anticipated, it is a woman's desire that brings together the thieves. Melina Mercouri portrays the cunning lady-thief. Once more, as in 'Never on Sunday', Jules Dassin, the director, intends her to be the highlight of the movie. However, in 'Topkapi' he fails, for it is none other than Peter Ustinov who succeeds in capturing the audience's heart. Ustinov is Dassin's answer to Inspector Clouseau. He is the shmoe, the clumsy, stupid oaf who gets caught up in the whole mess due to his own foolishness.

Maximilian Schell, of 'Trial at Nuremberg' fame, is the mastermind behind the robbery. He portrays the clever organizer who decides that it would be wiser to use amateurs as partners-in-crime in order to avoid detection.

Robert Morley, that jolly Englishman, is part of the motley crew. This time he is a handcraftsman. Being an ingenious toymaker helps supply that fun-making team with several clever devices.

Akim Tamiroff as the drunken cook gets Ustinov into trouble. In fact, he is the reason why Ustinov joins the gang—or rather he and \$10,000.

The plan, ah yes, a brilliant piece of criminal strategy makes the movie that much more exciting. The whole difficulty is how to avoid setting off a burglar alarm wired through the museum floor where the jewels are kept. This alarm is so delicate that the weight of a ping pong ball on the floor is enough to set it off. In fact, the thieves' idea is so brilliant that the audience half hopes that they get away with their crime.

'Topkapi' contains a bit of everything, including nonsense. But one other good point is that the

**'TOPKAPI'**: directed and produced by Jules Dassin; music by Manos Hadjidakis; starring: Melina Mercouri, Peter Ustinov, Maximilian Schell, Robert Morley and Akim Tamiroff; at the Beacon Hill Theatre.

incidental music is delightful. The sound of the lovely Greek bazoukis is yet another added attraction. But why Greek music if most of the action takes place in Turkey?

The photography is precise, and this does include the photographic effects, after all, Peter Ustinov, somehow does not seem like the type of person who would go running around on a rooftop. This movie presents a more experienced director and I wouldn't be surprised if 'Topkapi' achieves greater success than 'Never on Sunday.'

The color scheme is very flashy. Thrown in for the price of the ticket are several colorful scenes of Istanbul, including an annual wrestling festival. We also get a quick tour of some of the interesting sights of the city: a view

of the harbor as the sun sets behind the mosques. The film is well put together, the editing gives the story the right effect.

'Topkapi' amounts to a very entertaining evening. Oh yes, a word of advice, don't get up from your seats at the end of the story, the final titles are quite amusing too.

## String Quartet series scheduled at Jordan Hall

A series of three concerts in Jordan Hall has been scheduled by the Boston Symphony String Quartet on November 20, January 8, and March 19.

The ensemble, which is quartet in residence at the New England Conservatory, consists of concertmaster Joseph Silverstein, violinist George Azaofsky, principal violist Burton Fine, and principal cellist Jules Eskin, all of the Boston Symphony Orchestra.

Tickets for the series are now on sale at the Jordan Hall Box Office.

## Boston Opera Company series tickets available for 5 productions

The Boston Opera Group will present five operas this season at the Back Bay Theatre (Still formerly the Donnelly Memorial) 'Intolleranza,' Luigi Nono's anti-Fascist satire, will be given in January. This avant-garde opera precipitated riots at its 1961 premiere in Venice and was picketed by Germany in Frankfurt recently.

Joan Sutherland will star in Guicchino Rossini's 'Semiramide,' an opera based on Voltaire's drama, February 3 and 5.

Mozart's 'The Abduction from the Seraglio,' in a new English version, will be presented February 17 and 19. Mussorksky's 'Boris Godunov,' with Boris Christoff as Boris, will be given March 10 and 12.

Bevryl Sills and Geraint Evans will star in Offenbach's 'Tales of Hoffmann' March 24 and 26.

Tickets are available now at \$30.00, \$40.00 and \$50.00 for five tickets, by mail to Opera Group, Inc. 172 Newbury Street, Boston. The \$20.00 seats are already sold out. No single tickets will be sold.

## TCA to hold smoker

There will be a smoker held by the Social Services Committee of the Technology Community Association on Thursday at 5 pm in the Library Lounge. Volunteer programs will be discussed. Refreshments will be served.

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## Recorder concert coming Sunday

The Boston Chapter of the American Recorder Society will present a concert at the Peabody School Auditorium, Cambridge, November 1.

Featured will be the Cambridge Chamber Orchestra with soloists Gian Lyman, viola da gamba, Gisela Krause and Friedrich von Huene, recorders, and Alexander Silbiger, harpsichord.

The program will emphasize the role of the recorder in the Baroque orchestra. Two versions of Bach's Brandenburg Concerto No. 4, with the original instrumentation will be given. Telemann's double concerto for recorder, viola da gamba and strings, and recorder solo Concerto in F, Handel's 'Tra Le Fiamme' and Bach's Ricercare will complete the program.

Tickets are \$1.50 at Briggs and Briggs, Harvard Square, or at the door.

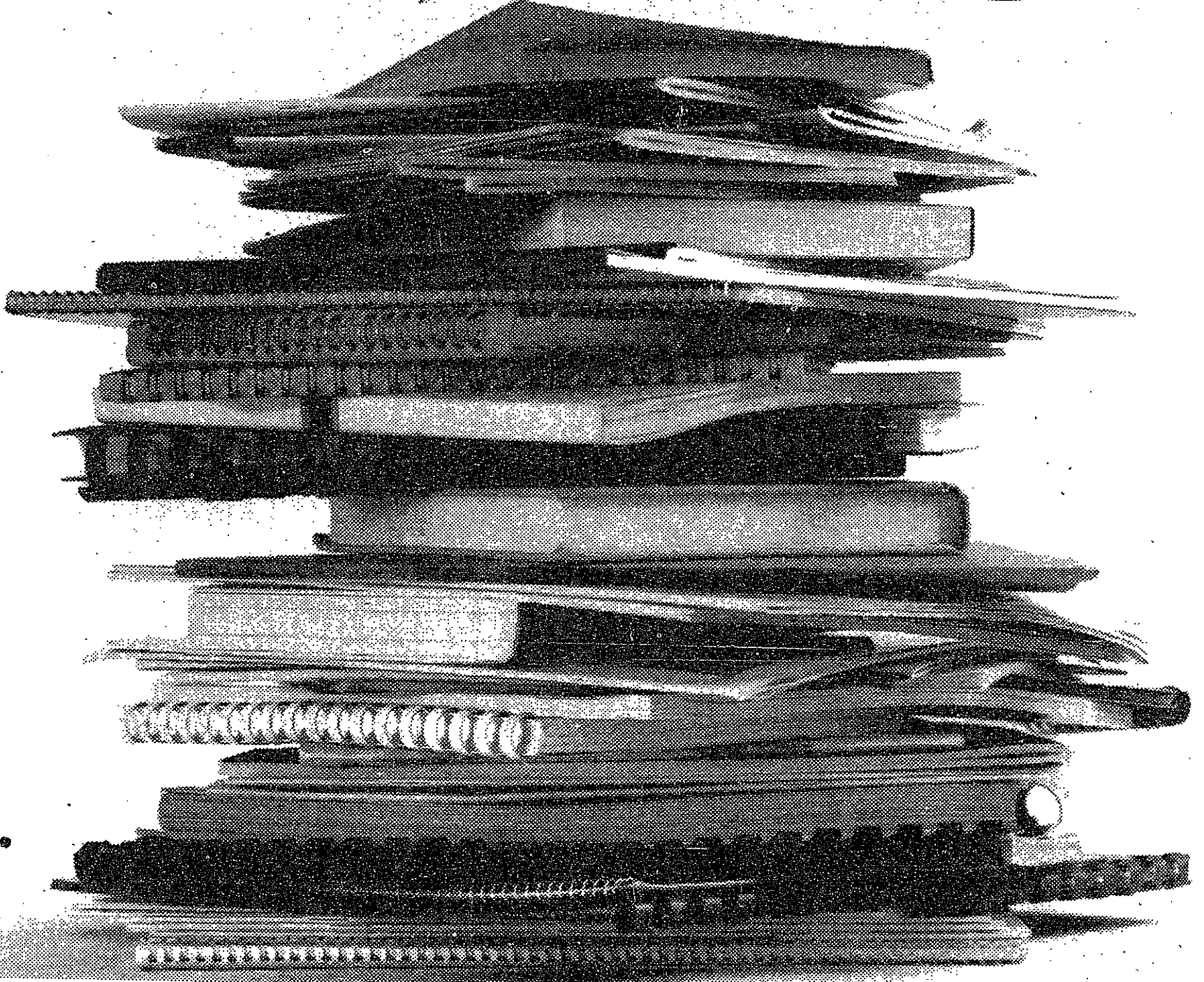
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# Good reading



You're looking at the intelligent product of one week's work. (Some might be in your campus library.) They're technical bulletins written by some very talented scientists and engineers at the Jet Propulsion Laboratory. JPL people write over 500 such documents each year. Documents with titles like "Evaporation Effects on Materials in Space," and "Simple Guidance for Deep-Space Booster Vehicles." Pretty heady stuff.

But then designing spacecraft to reach the Moon and

planets is a pretty head-y assignment. And it takes a lot of bright people to make it happen. Where do these bright people come from? Better colleges and universities around the country. Yours, for example. Why not sign up for an interview with a JPL man? Besides working at the most fascinating job in the world, you'll also have lots of good books to read.

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**ON CAMPUS INTERVIEWS: November 5 & 6, 1964**  
Contact University Placement Office for Appointment



# Women in Science Symposium drew speakers

(Continued from Page 1)  
She pointed out that outmoded theories may lead to present incorrect conclusions and suggested that "America test rather than prejudice."

Though not generally known, a silent war was being fought in Kresge for women's equal rights to microscopes, computers, and logarithmic tables. As Dr. Chien Wu of Columbia University said, "What preference does nature have to investigation by men or women. . . Wasted use of women in science is wasted potential."

## Burmese women

It was established repeatedly that traditional concepts have made women feel uncomfortable in science and engineering. Burmese women, as Rita McCabe of IBM mentioned, are probably one of the few to walk in front of men, because the country is laden with hidden mines. Regarding the achievements of women in science, Dr. Mina Rees said, "It's not that we cannot do it. We have not done it."

Later, two motions were unanimously in accord. First, the commitments of a woman in science are two-fold. In her chosen profession she must maintain competence. To herself and her home,

her most important obligation surprisingly is the choice of a good mate. Secondly, "life, liberty, and the pursuit of happiness is a marvelous American institution, but only when that which a person pursues does not run in the opposite direction because of sex."

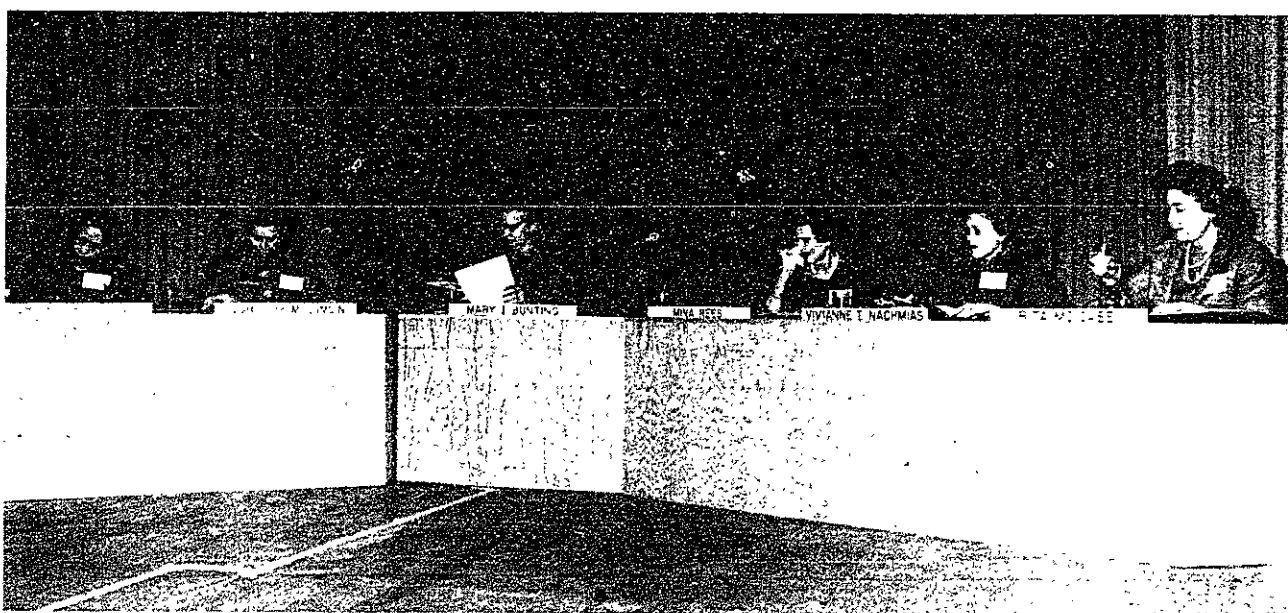
## Opening doors

Dr. James R. Killian, Jr., Chairman of the MIT Corporation, spoke in the Friday afternoon session of the symposium. He noted that while opportunities for higher education for women have increased, the percentage of women degree holders has declined, and added that while it was generally agreed that opening more doors to women would be of great benefit, barriers to women advancing still were being maintained.

Dr. Killian also mentioned that there was considerable opinion in favor of continuing support of women in science, and added that even if the proportion of women to men job ratios were not to change, the greatly expanding industrial output would certainly encourage a woman's advancement in science and engineering.

## Saturday morning

Saturday morning, October 24,



opened with a panel discussion on the Professional Employment of Women in Science and Engineering.

Dr. Wilma A. Kerby Miller, Academic Vice-President of Radcliffe College and Dean of Graduate and Professional Women Students for Harvard University, spoke on the possibilities for academic employment. She noted that "elementary and secondary school teaching can be a highly satisfying experience for women who enjoy working with children." The opportunities in this area are great, since there is always a local school where a woman is living.

Opportunities for college teaching are not as open, she noted, but there is a decided willingness among college administrators to hire women who can demonstrate their competence.

Mr. W. Scott Hill, Manager of Engineering Recruiting for General Electric. He demonstrated that "when women do successfully complete an engineering education they can find many opportunities."

He also mentioned that industry has been reluctant to hire great numbers of women not because of poor training or general inapti-



Delegates to the AWS Symposium on Women in Science fill both their minds and stomachs as the role of females in science is explored. The symposium was held in Kresge Auditorium, October 23 and 24.

Photos by John Torode (top) and Bill Park

tude, but because of the relative short terms of employment for many women. But he added, "Those who stay with it and have the ability can reach highly responsible positions."

## Further table

Further talks concerned themselves with issues in retraining women for employment and in

specific government interest in the employment of women.

The afternoon session on Saturday dealt with the problems of closing the gap with speeches by Dr. Lillian Gilbreth, Management Consultant and Industrial Engineer, and Dr. Erik H. Erikson, Professor of Human Development at Harvard University.



Mr. Mark Grondin, Master Handsewer

Mr. Mark Grondin is a master handsewer of Bostonian Flex-O-Mocs and he will be in our store October 29. In watching him work, you will see, at once, that it takes unusual skill . . . he must apply just the right amount of tension and take exactly five stitches to the inch. This is so important, that the slightest variation results in a rejected shoe. Hand sewing of the front seams give Bostonian Flex-O-Mocs foot hugging comfort and easy flexibility.

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**IBM**



# Companies to hold campus interviews

(Continued from Page 5)

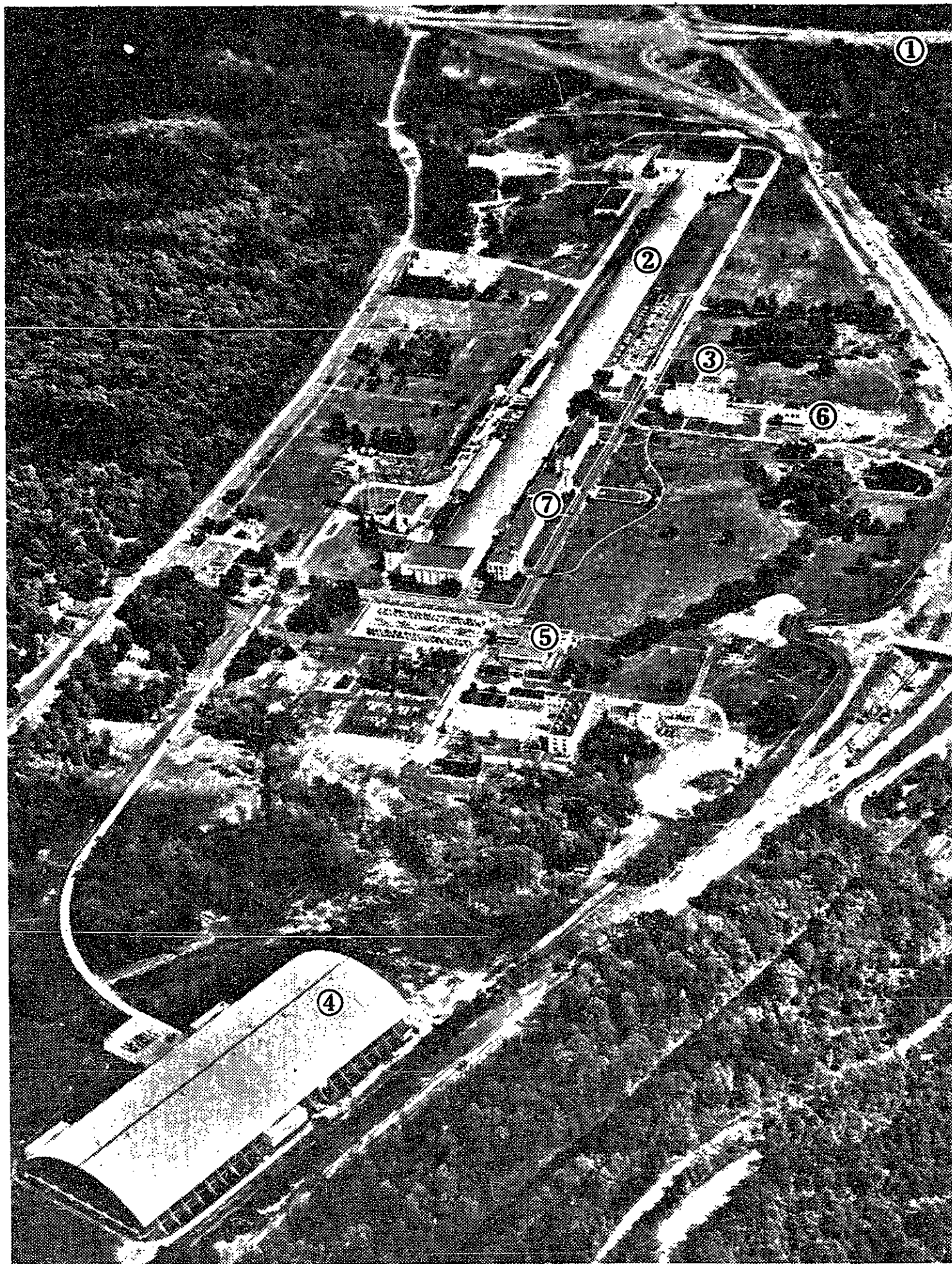
Corporation.  
The International Business Machines Corporation and McDonnell Aircraft Corporation will interview on November 17 and November 18.

Interviewing on November 18 exclusively will be the Air Products and Chemicals, Inc.; the General Aniline and Film Corporation; General Precision/Aerospace Group; Pitney-Bowes, Inc.; and Babcock and Wilcox Company.

On November 19 the U.S. Army Nuclear Power Field Office, the Arthur D. Little Company, Inc., the MIT Electronic Systems Laboratory, and Ingersoll-Rand Company will interview.

**J.P. '64**  
**FRIDAY THE**  
**THIRTEENTH**

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**BUDDY MORROW**  
and his orchestra  
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of extraordinary research activity**

Of course, from this height you can't see much detail, which makes the imposing expanse of the two main buildings all the more intriguing. Perhaps you can guess their functions, but it's also what you can't see (and this is summarized in the adjoining column) that makes the David Taylor Model Basin a completely unique fundamental and applied research organization—and a place you should seriously consider for your career as a professional scientist or engineer. As the Navy's advanced facility for research into submarine, surface ship, aircraft and missile design concepts, the Model Basin can offer the young graduate certain specific opportunities hard to find anywhere else.

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3. Gain diversified RDT & E experience with the best equipment and facilities of their kind.
4. Work on research projects of recognized national importance.
5. Attain recognized professional stature sooner, at which point a number of futures are available.

Watch for the David Taylor Model Basin interviewer when he visits your campus, or contact Mr. S. Di Maria directly for information.

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② HYDROMECHANICS LABORATORY facilities include this High-Speed Towing Basin almost 3/5 OF A MILE LONG, 50 feet wide, and 20 feet deep. This Laboratory is concerned with speed, stability, control and seakeeping qualities of floating or submerged naval designs, and with fundamental naval hydrodynamics.

③ APPLIED MATHEMATICS LABORATORY facilities include the latest, largest computer systems, and feature the LARC, the IBM 7090, and a 1401. This is BuShips' primary computing facility, working on engineering, research logistics, and numerical methods. Work carried on here involves mathematic simulation of the life cycle of nuclear reactors; automatic calculation of ship lines; and applications of computers to management problems.

④ In this giant new Maneuvering and Seakeeping facility, both fixed and free-running models may be tested under any sea-state condition. You may also work with the High-Speed Phenomena Division at Langley Field, Virginia.

⑤ AERODYNAMICS LABORATORY facilities include several wind tunnels—ranging from subsonic through hypersonic at Mach 10—which are used to determine and improve static stability, control and heat transfer characteristics of helicopters, VTOL's, supersonic aircraft, missiles, etc. Air flow studies also involve bomb design, bridge structures, aircraft turbulence when approaching carriers, and other government and private problems.

⑥ The unique STRUCTURAL MECHANICS LABORATORY facilities at Carderock are the new pressure tanks which permit the study, by means of large structural models, of the hull structures for deep diving submarines and deep sea research vehicles to reach all ocean depths. Additional Structural Mechanics Laboratory facilities are scattered throughout the 186 acres, and include a tridimensional Static-Load Frame, a Pentagonal Test Pond, Explosion Pits, and a 600,000-Pound Universal Testing Machine. With these facilities, Laboratory scientists and engineers conduct studies aimed at improving the hull structure and increasing the resistance of the Navy's ships to enemy attack. This requires development of fundamental, theoretical approaches of load and response, and development of engineering solutions based on the increased understanding. A substantial portion of the ship protection research is carried out at the Underwater Explosions Research Division of this Laboratory located at Portsmouth, Virginia.

⑦ The ACOUSTICS AND VIBRATION LABORATORY was just established to intensify research and development of ships of improved detection capability, and reduced vibrations and underwater sound output. Fundamental and applied research in hydrodynamics, structural acoustics, mechanical vibrations, and signal processing are supplemented by conduct of acoustic and vibration trials, and development of acoustic and vibration instrumentation.

The OPERATIONS RESEARCH GROUP cannot be pinpointed as easily because it ranges over all the RDT&E activities at The Model Basin—hydromechanics, structural mechanics, aerodynamics, and applied mathematics. Special applications today are in the fields of naval architecture, ship silencing, ship protection, and weapons effects... setting realistic performance goals for ships and submarines in view of probable environmental factors... handling special externally-generated projects that tie in with DTMB capabilities... and making recommendations to the Technical Director as to improving research methods and orientation.

To staff these five operating Laboratories, we are seeking college graduates with BS, MS, or PhD degrees in Aerospace, Electrical, Electronic, Mechanical or Structural Engineering; in Applied Mechanics, Mathematics, Physics, and Naval Architecture.

## INTERVIEWS

Representatives from The David Taylor Model Basin will hold On-Campus Interviews

**Wednesday, Nov. 4th**

Please contact your College Placement Officer to arrange an appointment.



## Cherchez finishes first term's mixers as season closes

(Continued from Page 5)

That about finishes this term's information. Remember Bouve Boston School's mixer February 12, and the Simmons, Radcliffe, and Wellesley dormitory mixers going on this term. Cherchez will be back next term, with more and better information on finding females in greater Boston.

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## Baker cops IM tennis tournament; Swamp Grad House 5-0 in final

The Baker House intramural tennis team rolled to a 5-0 victory over Graduate House A to climax the end of the intramural tennis tournament. Alpha Epsilon Pi and Theta Delta Chi tied for third.

The victorious Baker House squad consisted of the following players: Steve Derevoff, no. 1 singles; Ned Anderson '66, no. 2 singles; and Bill Carlson '68, no. 3 singles. Rich Nielson '67 and Dave Chandler '66 played doubles. Baker won all five final matches, with the doubles being the tightest at 6-2, 3-6, 6-1.

The two other semi-finalists, Alpha Epsilon Pi and Theta Delta Chi tied for third place. Baker edged out AEPi 3-2 on a 12-10 doubles win to take the first semi-final match. Grad House advanced easily over Theta Delta Chi 5-0 in the other semi-final match.

### Baker seeded fourth

Baker House, seeded fourth, was the only seeded team to reach the

finals. Defending champions Chinese Students Club were beaten by Grad House 3-2 in a quarterfinal match. Third seeded Senior House lost a very close match to Theta Delta Chi in losing out. Second ranked Phi Gamma Delta felled to AEPi by a 4-1 count.

### Thirty-eight entered

The intramural tennis tournament saw thirty-eight teams enter this year. This topped last year's number by sixteen, while the number of participants rose from 154 to 190. The team size was changed from seven to five. The huge turnout and the lack of available courts prevented the managers from running the intended double-elimination tournament. The top eight teams:

- 1—Baker House
- 2—Graduate House
- 3—Alpha Epsilon Pi
- 4—Theta Delta Chi
- 5—Chinese Students A
- Delta Upsilon
- East Campus A
- Burton House A

## Looking Back

### 75 years ago

Brown was defeated by a score of 48-0 at football. This was considered a great victory, since the Institute had lost every game previous to this.

### 50 years ago

Mr. George W. Nasmyth, head of the University Department of World Peace, told of recent observations in Europe, and the deductions which they forced him to draw. His own conclusion was that universal peace, if it is ever to come, must result from a co-operative and constructive, rather than a competitive and destructive policy.

He said that, when five million men were called to the field in three days, there was no prevalent war spirit, but rather a resigned sorrow. These three hundred fifty millions of people are plunging into a chaos of "collective homicide" because each country thinks it is fighting in self-defense. The blame apparently is not with the rulers of the nations, but with the outworn system of political philosophy. The speaker affirmed that the Bernhardt-Nietzsche philosophy of force is the chief cause of the present "collapse of civilization."

### 25 years ago

'Twas the night before Field Day and all through the Dormitories not a freshman remained. Traditionally reserved by a Sophomore for a special errand on Field Day eve, all the first year men in the dorms last night trudged out into the rainy evening bent on the fulfillment of their exacting tasks.

Among the earliest to depart were those headed for Wellesley, seeking among other things, a paddle, banner, picture catalogue of the Wellesley freshmen, and the lip-prints of not less than four Wellesleyites on four chicken eggs.

### 10 years ago

Campus Snapshots:  
... the note on the building 10 bulletin board: Lost, one reputation. su □□□ a techretary ... the Voo Doo salesmen, advertising their wares vocally with:

"get your VD here!" ... the new WMIT Yawn Patrol in the morning (how about the answers to 9 am quizzes along with the time and weather?) ... and finally the quote of the week, from Prof. de Santillana's lecture on Greek Science: ... the vital thing in science is not so much the answers, it is the questions which are asked.

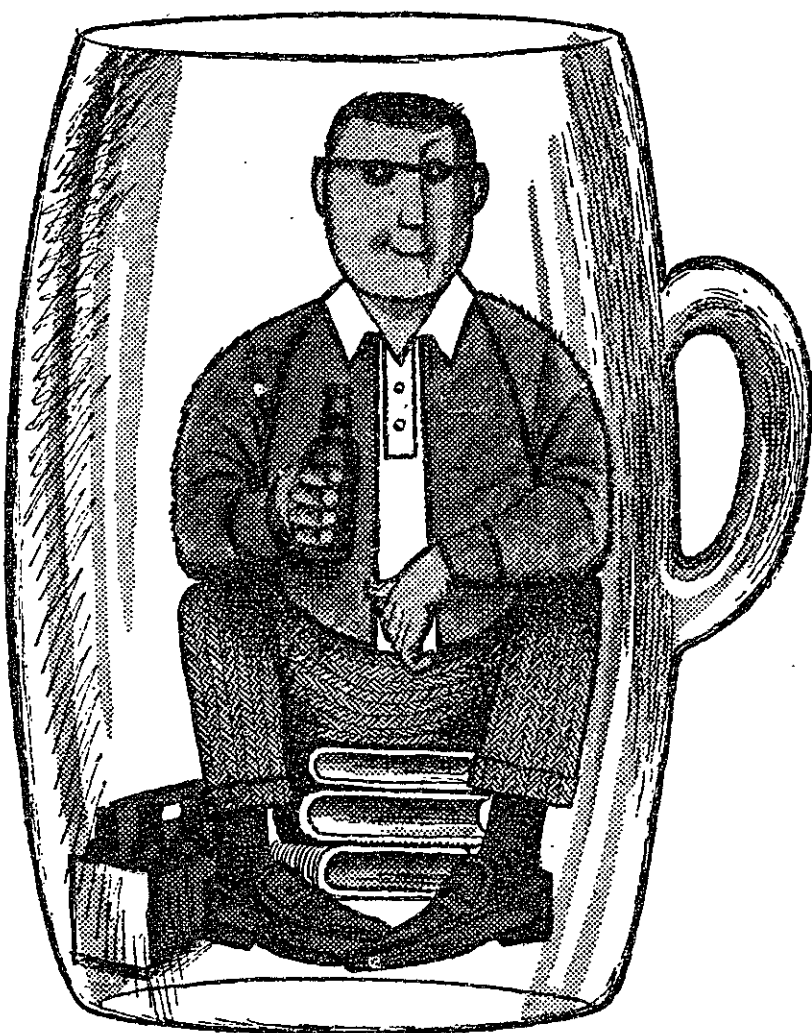
## Tech oarsman Riley wins Olympic gold

Tech sports fans can boast a share of the Olympic gold medal taken by Vesper Boat Club of Philadelphia in the eight-oared shell final. Chet Riley '62, who captained the MIT heavy-weights in 1961 and 1962, was a spare on the champion shell. Riley rowed number seven on the 1962 Tech shell that took the Compton and Cochran cups for the first time in the school's history. Riley joins Harry Blieden '57 (1960 Olympics) as the only two Tech oarsmen to row in the Olympics.

## IM Bowling to start

Intramural bowling will kick off its winter season on Monday, November 16. Three-man teams will bowl on Monday and Tuesday nights for eight weeks. All rosters are due in the Athletic Association office by Monday, November 2, at 5:00 pm. A non-returnable twenty-five dollar charge must be included with each team. A preference for Monday or Tuesday night should also be included. Questions may be directed to manager Dick Minnick, 782-7856.

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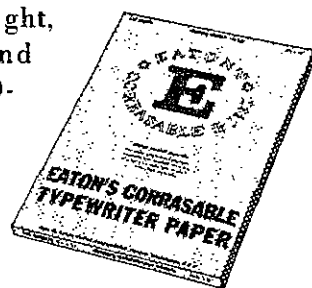
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## Ruggers drop two against powerhouses

By Neil Gilman

The MIT rugby team was completely overwhelmed last week in their matches with Harvard Business School and Old Blue. After a humiliating defeat at the hands of Harvard by a score of 27-3, the Engineers traveled to New York to meet a similar fate by losing 23-0 to Old Blue. These recent defeats bring the season's record to no wins and six losses.

Van Tienhoven scores goal

Harvard's forwards played extremely well Wednesday. Scoring

all 27 points, the forwards used aggressive, hard-hitting play to power through the MIT defense. Tom Van Tienhoven '66 scored the only MIT points by successfully converting on offside penalty kick in the first half. Although the Harvard team was a powerful, coordinated team, MIT lacked desire and enthusiasm throughout the game.

At Old Blue, against an obviously superior team, MIT never let up on their hard blocking and tackling. Old Blue, however, was

just too good. Besides winning the Seven-a-Side Tournament in New York last Thanksgiving, Old Blue has been undefeated in 29 straight games. Their backs were extremely adept, some of them being All Ivy League Conference football players.

MIT faces Harvard again Saturday on Briggs Field in hopes of ending their losing streak.

### Track rally Oct. 29

Winter track is coming up soon. All persons interested in running this winter or even next spring should attend the track rally to be held Thursday, October 29, at 5:15 pm, in the T-Club Lounge. The rally is for varsity and frosh trackmen alike. Free coffee and donuts will be served at the rally.

### CLASSIFIED ADS

For our present 3.14 class, we need second-hand copies of Volume III, **Mechanical Behavior of Materials—STRUCTURE AND PROPERTIES OF MATERIALS**, by Hayden, Moffatt and Wulff, published by M.I.T. Please contact Mrs. Stratton, Rm. 35-316, Ext. 3231, if you have a copy to sell.

## Women sailors 2nd again; URI wins in 6 team field

The MIT women sailors continued in their traditional runner-up spot for the third straight meet as they finished behind University of Rhode Island in a six-team field. The meet Number one skipper and captain Ruth Beckley '67 was held at Lake Quinsigamond, Worcester, under the sponsorship of St. Regis College.

Number one skipper and captain Ruth Beckley '67 led the girls with a first and two seconds out of four races. Also scoring for Tech

was Karen Henry '67, who scored a second in the only race she skippered. The other MIT skipper, Alex Berstingle '68, finished fifth in her only race of the day.

Scoring: Team scoring for the meet went as follows: Rhode Isl. and 40, MIT 33, Northeastern 22, Tufts 22, St. Regis 19, and Boston College 18. Sailing was done in Rebels, two-sailed boats which carry a two-man team.

The girls will be sponsoring their own two-day meet coming up for the weekend of November 7-8. Nineteen schools have been invited to the regatta, which will be the climax of the NEIWSA fall season.

### Frosh hockey rally to be held Oct. 29th

Freshmen interested in hockey are to meet in DuPont Lobby at 5:30, Thursday, October 29th, for a short meeting. All freshmen who have played hockey either formally or informally and those interested in managing are urged to attend. The freshman hockey team will work out with the varsity on Harvard ice until our rink is ready. Managers are needed and there is plenty of opportunity for advancement.

## Intramural basketball has 'really big' beginning; 64 teams pursue title held by Grad. Economics

By Russ Mosteller

Intramural basketball gets under way this week with one of its biggest turnouts in years. The program will include 9 leagues, 64 teams and at least 770 actual participants. The regular season runs from last Monday until Christmas Vacation. The playoffs will begin immediately after the vacation and will be finished shortly before reading period. All games will be played at night, Sunday through Thursday, inclusive.

For those of you not totally familiar with the IM setup, a bit of an explanation and preview of the up-coming season may be in order. The nine leagues are grouped into three divisions. These divisions are the "major leagues" (American and National), the "AAA" leagues (International, Pacific Coast, and American Association), and the "A" leagues (Northern, Western, Southern, and Eastern).

As in the past, the major leagues will probably be dominated by graduate teams. Grad Economics, last year's playoff champions, once again shape up as the team to beat in the American League. Their main competition is expected to come from Westgate, Sigma Alpha Epsilon, and the Graduate Management Society. Last year's National League champion, Political Science, will have to fight off challenges from Grad House "A", Burton "A", and Senior House "A".

Favored in the American Association and Pacific Coast League, respectively, are Baker "B" and Zeta Beta Tau. The International League, on the other hand, shapes up as a red-hot battle between

Sigma Chi, Delta Tau Delta, and Theta Chi.

Possible winners in "A" leagues include the Non-Resident Student Association (Eastern), Chi Phi (Northern), and the Burton Rebels (Southern). The Western League looks like a really close fight between Burton Fine Fifth and Bexley Hall.

So if you happen to be a basketball fan and find yourself with nothing to do some night, drop by the Armory and see some close, competitive basketball. You'll enjoy yourself!

### IM Wrestling starts; Big turnout expected

Intramural wrestlers take to the mats this Friday seeking the eight individual titles and team title in the annual intramural wrestling meet. The matches start Friday night at 7:30 and continue Saturday starting at 1 pm.

The managers expect an even larger turnout this year than ever before, and are planning for a huge throng of spectators. So even if you aren't signed up for grappling, get over to the duPont wrestling room and even bring a date to see some really good wrestling.

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Our Representative will be on Campus November 4, 5.

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# Harriers finally triumph

By John Kopdow  
The freshman cross-country squad picked up its first two victories of the year last week by outracing both Boston College and the Coast Guard Academy. There was little doubt concerning which was the better team in the Boston College race, at the Tech Harriers came within four points of getting a perfect score; they had 19 to BC's 40. Dan Hoban took first in the race with a time of 13:31 over the 2.6 mile course. Others scoring for Tech were Sherm Hannah (second), Dave Mountain (third), Bill Donahue (fifth), and Howard Friedberg (eighth).

On Saturday the frosh barely squeaked past the Coast Guard Academy, winning 28-29. Dan Hoban finished in his customary first spot with an excellent time of 13:20.3 on the raw, windy day. Sherm Hannah finished second for Tech and fourth in the race, taking 13:54 to complete the 2.6 miles. Coming in sixth, eighth, and ninth in the race were Pete Peckarsky, Bill Donahue, and Howard Friedberg, respectively. The Harriers hope to extend their winning streak to four with a triangular meet this week against Northeastern and Tufts and another meet against Easterns.

## Soccer

The MIT freshman soccer team captured its third victory against two defeats by crushing Belmont High School, 4-0. Center-forward George Busby picked up 2 goals in the opening period, and Calvin Clowe and John Sole scored in the second and fourth quarters respectively. The Techmen held complete control of the game throughout by constantly putting pressure on their opponents' defense. As a result the reserves were able to see a lot of action in the second half, and they also made a fine showing. If the frosh play as well in their final game against Phillips Exeter on November 4, they will have had a most successful season.

## Sailing

In a six team meet last Sunday at the University of Rhode Island the frosh sailing squad finished a disappointing fourth. URI took first followed in order by the Coast Guard Academy, Harvard, MIT, Tufts, and Brown. Tech's total of 40 points left them thirteen points behind the winner and six behind third-place Harvard. They will be looking for a good deal of improvement in their final meet of the fall this weekend here at MIT.

# Booters top BU 4-1 lose to Springfield 4-2

## By Jack Seaquist

Late game tallies told the story as the MIT soccer team split another pair of games this week by the scores 4-1 over Boston University, and a defeat by Springfield College by 4-2.

Penalty goals proved fatal to the BU men as MIT capitalized on two infractions to put Wednesday's game on ice. The first half of play on the wet BU field was a scoreless tie as defense was predominant.

Third period scoring was begun by MIT as Nick Stepaniuk '65 kicked one in unassisted. After BU came up with the equalizer, Capt. Ed Roberts '65 scored with an assist from sophomore stand-out Rick Gostyla to give the Techmen a lead they never was to relinquish.

## Ice game in 4th quarter

The two penalty goals came in the fourth quarter and were both scored by Gostyla. The first came as Ed Roberts was illegally taken out in front of the goal. The second was to take the place of a sure goal by Mohamed Chikhaoui '65 which was called back as a result of an error by one of the officials.



Photo by John Torode

George Hadley '65 heads a pass and breaks up a Springfield attack in Saturday's game. Springfield bounced back to score two goals late in the fourth period, and win 4-2. Emo Giovanni '65 (left) and Mike Long (center) get set to defend.

In Saturday's game here at Briggs Field, the fourth quarter spelled defeat for the MIT men, due to a pair of quick goals by Springfield in the last five minutes.

MIT took the lead as Chikhaoui scored in the opening moments, but the second quarter was dominated by the visitors as they came up with two goals. The third period was scoreless,

but MIT tied it up when Roberts kicked one that was deflected by the post, however, Chikhaoui was right there again as he sent in the rebound with eight minutes to play.

## Two late goals down Tech

The final two goals by Springfield shattered MIT's bid for a winning record as they slipped into a 3-4-1 won-lost-tied record.

Soccer hopes were also darkened by the possible loss for the season of left halfback Rick Gostyla who has done an excellent

# Golfers record double win over Brandeis and Babson

## By Gerry Banner

The MIT golf team achieved its first double victory in a triangular match in over two years last Monday, October 19, at Sharon Country Club. Paced by Captain Tom Hedberg '65 and Pete Lubitz '65, the Techmen swept to a 7-0 rout over Brandeis and a 6-1 win over Babson Institute.

Six of our men scored doubled victories: Hedberg with a 77, Lubitz with a 78, Dick Shoemaker '65 with an 80, Dave Macmillan '67 with an 82, Al Poegler '65 with an 85, and Ron Olson '65 with an 88. Ray Tenneson '66 was off his normal game while splitting his two matches.

This final match of the fall season set the team's record at four wins and three losses. The four victories represent more than they achieved in all 18 matches

last year. Looking forward to the spring, we can predict an improved record, especially during the team's weeklong road trip to various schools in the South.

Scoring averages for the fall matches were: Lubitz 78, Poegler 80, Hedberg 82, Shoemaker 82, Macmillan 83, and Olson 84. Job thus far. Gostyla suffered a dislocated knee in Saturday's action.

This week the team will play but one game as they will travel to Bridgeport Saturday.

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# COOP NOMINATIONS

The Clerk of the Harvard Cooperative Society announces receipt of a communication from Mr. Sheldon Dietz enclosing papers for nominating six Directors for the Society. The papers read as follows:

"In accordance with Article X, Nominations, Harvard Cooperative Society bylaws, as amended May 27, 1959, we nominate for the office of Director, the following:

1. Seymour Slive, 1 Walker Street Place, Cambridge
2. Gregory Kepes, 90 Larchwood Drive, Cambridge
3. Kevin Lynch, 77 Massachusetts Avenue, Room 7-344, Cambridge
4. Jose Sert, Department of Architecture, Harvard University, Cambridge
5. Benjamin Thompson, Department of Architecture, Harvard University, Cambridge
6. Charles W. Elliott, School of City and Regional Planning, Robinson Hall, Cambridge."

The following signatures appear on these papers:

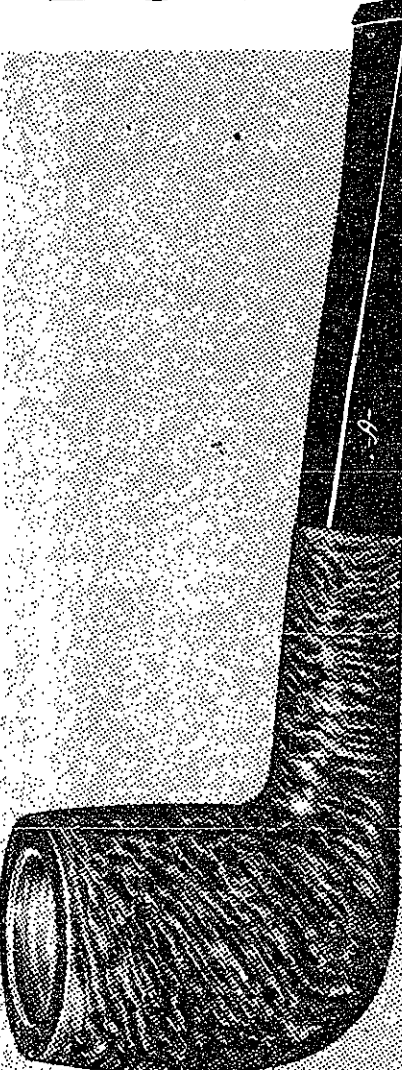
John W. Frey	M. Wyllis Biggins
Max M. Mason, Jr.	Michael Shields
Bernard T. Feld	Robert Marsetta
Cyrus Levinthal	Sherry Proctor
Thomas N. Blodgett	James K. Rooney
Donald C. Byron	Joseph B. Hull, Jr.
Sheldon Dietz	Paul E. Dietrich
Sumner A. Dane	Louis J. Bakanowsky
Dean L. Gitter	Donald A. Reed
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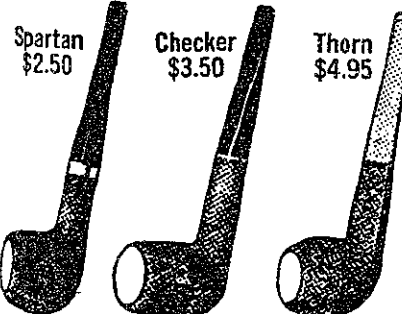
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## Cross country team defeats Coast Guard and Boston College; Brown wins seventh in a row

By Armen Varteressian

The MIT cross-country team upped its season record to 5 wins against 2 losses last week as the Tech harriers beat Boston College 24-32 Wednesday, and followed up by defeating the Coast Guard Academy team 25-30 Saturday.

As usual, Sumner Brown '66 captured first place in both meets, upping his total of firsts to 7, one in every match thus far.

In the B.C. meet, Brown was followed by Bill Purves '66, in 4th place, Rob Wesson '66 in 5th, Dick McMillin '65 in 6th, and Mike Oliver '65 in 8th. The same five runners scored in the Coast Guard joust, with McMillin, Wesson, and Purves in 4th, 5th and

6th places respectively, followed by Oliver in the 9th position.

Brown's time against Coast Guard was a respectable 18:41 for 3.6 miles. His nearest opponent, Dave Faurot of Coast Guard, finished in 19:15. Times for the remaining Tech scorers were: McMillin 19:23; Wesson 19:29; Purves 19:32; and Oliver 19:56.

Next in line for the MIT long-distance men will be the Easterns Friday, October 30th. The contest will be held at Franklin Park with MIT as host. Judging from his performances so far this season, Brown stands a good chance of taking top honors. Last year, Brown finished third in the competition behind two runners from Central Connecticut.

## the sports spot

## T-Club

T-Club is both an honorary and service organization made up of varsity lettermen to promote interest in MIT athletics. To do this, it is involved in many activities, the most important of which is internal sports publicity. David Carrier '65, President, is personally in charge of this, working closely with Peter Close, Director of Sports Information and Dave Kress '67, Sports Editor of The Tech.

T-Club selects All-Sports Days, emphasizes certain events expected to be especially exciting, sponsors a Sock-Hop after one of the basketball games, and supports the cheerleaders, newly formed last year.

Perhaps the largest single contribution T-Club has made is the presentation of the Outdoor Scoreboard. The scoreboard has already added to the enjoyment of spectators and players alike.

Another important function is the selection of Straight-T Award recipients by the T-Club council. The council is made up of T-Club officers plus team captains. The awards are the highest athletic honor presented by the Institute, given only to athletes who have made an outstanding contribution to MIT sports. Awards are presented at the annual T-Club banquet, held early in Spring.

T-Club earns money for all these activities by providing assistants at Outdoor Track meets and selling refreshments at home basketball games.

If you have received a varsity letter and are interested in joining, fill out an application card in the Athletic Association Committee Office at duPont; your membership card will be mailed to you immediately.

## SAE in finals; Betas, Delts tie

By Art Perlman and Mark Helfand

SAE advanced to the finals of the "A" division for the third straight year by running over the Fijis 26-6. Beta Theta Pi and Delta Tau Delta played to a 6-6 deadlock in double overtime in the other semi-final game. This game was protested and was replayed from the point of protest Tuesday.

Strong performances by Fred Souk '65, Don Rutherford '67, and Ted Nygreen '67 highlighted the well-played game between SAE and the Fijis. Overall, Souk completed about 25 passes (nearly 60%) while his main target, Rutherford, scored three touchdowns and set up another. Ted Nygreen contributed two fine interceptions.

SAE scored on their first set of downs, the TD coming on a 10-yard pass to Rutherford. They also tallied the next time they had the ball as Souk passed again to Rutherford for the score. Phi Gamma Delta countered in the second period when John Freeman '66 scored on a quick pass

over center. This closed out the first half scoring with SAE leading 13-7.

In the second half SAE's John Flick '66 scored on a short pass set up by a 40-yard pass play to Rutherford. In the fourth quarter Rutherford scored his third touchdown on a 25-yard pass. John Mazola '66 tallied two extra points.

Betas 6, Delts 6  
In the Beta-Delt game, the Betas scored a touchdown in the first quarter when flanker Greg Wheeler '67 ran a reverse for 15 yards.

The protested play came late in the second quarter. The Betas were on their own three-yard line. Captain Dick Nygren '66 dropped back to punt. The punt was blocked and pounced on by the Delts and the referee called it a touchdown making the score 6-6. After the game was finished, the Betas made and won an official protest of the game.

There was no scoring by either side and the game was forced into a sudden death overtime. There was no scoring in the first nor in the second overtime, and each team had one first down, thus giving a tie.

There were three games in league IV this week to determine the league champion. Theta Chi played Westgate to make up a game that had previously been tied 6-6. Westgate's size and depth gave the team a 19 to 12 victory. The scorers for Westgate were Paul Croce with 6 and John Osborne with 13. Dennis Hinrichs '64 had 6 for Theta Chi and Tom Franzel '66 had 6.

Phi Gamma Delta (1-1) outscored Theta Chi 25-13 in the first playoff. Actually the game was close until the last quarter. The Fijis, behind 13-12, scored on a pass by quarterback Roy Wytenbach '65. Wytenbach threw

## First since 1957

## Sailors split a pair of close ones

By W. Thomas Compton

The sailing team continues to be undefeated in trophy competition as it won the Nevins Memorial Trophy at Kings Point, New York, in a two day meet.

At the Heptagonal at Coast Guard, they placed second.

Twelve schools from three districts competed for the Nevins Memorial Trophy in interclub dinghys. MIT raced against

Georgetown, Princeton, Coast Guard, Kings Point, Navy, NY-SMS, Cooper Union, Rutgers, Rensselaer Polytechnic Institute, Monmouth, and Columbia.

Cronburg high again

Terry Cronburg '66, captain, was skipper in A division with Ed Shaw '65, crew. Terry scored 77 out of a possible 91 for 85% to be the high point skipper, as perfection is getting to be a habit with him. He scored two firsts, a second, a third, a fourth, and two fifths.

Chet Osborn '67, skippered in B division with Fred Kern '65, crew. Osborn had 60 points on a second, a third, two fourths, a fifth, and a sixth. He came in second in another race, but was disqualified. Had it been allowed, he would have had 72 points instead of 60. Another boat forced him into a boat as they approached the starting line, but he could not get the number of the offender. He was, therefore, disqualified, and MIT protested — to no avail.

Georgetown a surprise

MIT and Georgetown sweated it out as it took the judges more than an hour to add up the scores. When the scores were finally announced, MIT held on to a slim one point margin instead of a comfortable thirteen as they shaded Georgetown, 137-136.

Princeton came in third with 134 and Coast Guard wasn't far behind. Georgetown was a big surprise as Coast Guard and MIT were supposed to battle it out for first place.

Racing Ravens at Coast Guard, the Techmen were the victims of shifty winds, breakdowns, and a surprising University of Massachusetts team. Winds rose to 20 mph at times but they were usually light and shifty. In one race, MIT was ahead ten to fifteen yards and suddenly lost their wind. The rest of the field caught wind and sailed right on by.

Plagued by breakdowns

Something went wrong nearly every race as the jib downhaul pulled out and the jib was lost, forcing them out of one race. Spinnaker problems were always showing up as it got tangled a couple of times and it dipped into the water once. Mike Johnson '66, skippered to two seconds, two thirds, a fourth, and a breakdown. This averaged to a third, so they were awarded a third for the breakdown. Jack Turner '66, Tom Maier '67, and Jim Cronburg '67, crewed.

MIT was leading up till the final two races but ended up three points behind UMass as UMass pulled off a heavy upset. MIT and Coast Guard were heavily favored, but slipped from normal form. UMass scored 54 to MIT's and Dartmouth's 51. Coast Guard, University of Connecticut, and Stonehill rounded out the field, as Babson failed to show up.

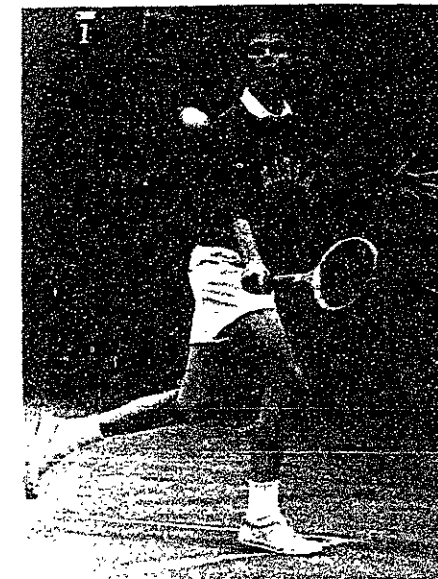


Photo by Paul Dowds

Captain Bill Petrick '65 returns a hard backhand against Rhode Island. MIT has beaten URI twice this season.

the quarter-finals. Petrick, opposing a semi-finalist from last year's New England championships, won the first set 6-2, but his big serve, net rush game just ran out of steam against the retrieving skill of his opponent and he dropped the next two sets by 1-6, 0-6.

Ruby won his opening round matches handily but dropped a baseline duel 4-6, 4-6 to a New England ranked player as his serve faltered in crucial moments of the match. The Spring vacation Southern trip is next on the tennis schedule.

Petrick, Ruby compete

Bill Petrick '65 and Paul Ruby '66 traveled to the Brandeis Invitational Tournament last weekend. Both men were eliminated in

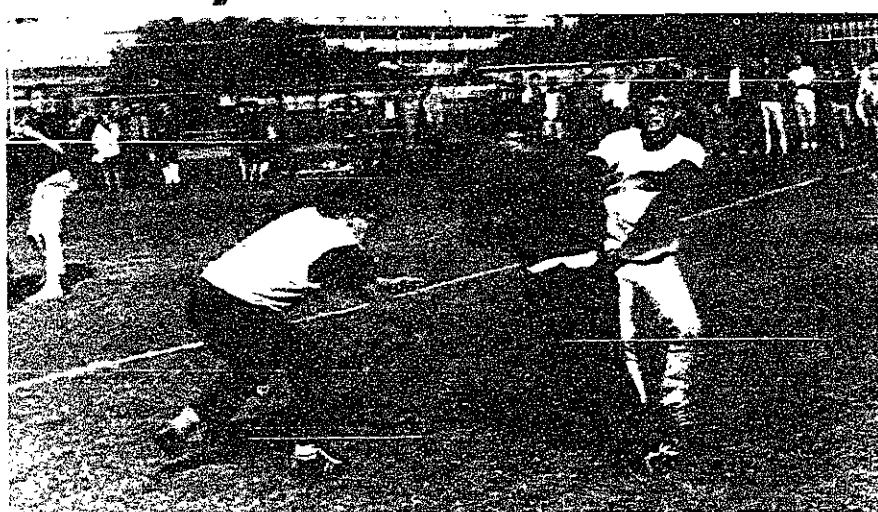


Photo by George Jelatis

Although surrounded by Phi Gamma Delta defenders, Ray Wytenbach '64 (left) and John Freeman '66 (right), Don Rutherford '67 of Sigma Alpha Epsilon makes a beautiful catch of a pass from Fred Souk '65. SAE went on to win the semi-final game by a 26-6 count.

another TD pass to clinch the victory.

Phi Gamma Delta then beat Westgate 15-0 for the league championship. Middle linebacker Ed Pollard of Westgate put on a terrific blitz throughout the game but that wasn't enough to stop the Fijis. Wytenbach scored one touchdown, passed one to John Freeman '66 and intercepted 4 passes.

B-League semis

The finals will bring together Nuclear Engineering and Phi Kappa Theta, both of which looked very impressive in the quarter- and semi-finals.

PKT dominated the play in their 39-13 victory over Sigma Chi. Dick Morgen '65, their fine quarterback, threw for four touchdowns while Jack Devaney '62 was on the scoring end of three of these. Nuclear Engineering had a rougher time of it in the quarter-final, barely squeaking past Zeta Beta

Tau, 13-6. Other victors in the quarter-finals were Grad Management Society, 31-0 over Tau Epsilon Phi and Grad House Dining Staff, 22-6 over Sigma Phi Epsilon.

Sigma Nu beat Kappa Sigma 9-4 in a game that was originally rained out. Speedy Dick Patton '67 scored on a 20-yard end run in the last quarter. The drive was started at midfield where Kappa Sigma had lost the ball on a fumble. The game was basically defensive and there were three safeties.

Al Tervalon '65 caught two Dick Morgen '65 touchdown passes as Phi Kappa Theta shutout Grad Management Society 13-0 in a class B semi-final game. GMS scored a touch down in the second quarter only to have it called back because of a penalty. In another semi-final Nuclear Engineering beat Grad House Dining Staff 13-6. Sam Wilensky and Jerry Sovka scored touchdowns for Nuclear Engineering.

## On Deck

Friday, October 30

Cross country (V)—Easterns at Franklin Park

Cross country (F)—Easterns at Franklin Park

Saturday, October 31

Sailing (V)—White Trophy at Coast Guard (thru Sunday)

Sailing (F)—Priddy Trophy at MIT (thru Sunday)

Soccer (V)—Bridgeport, Away, 2:00 pm

Monday, November 2

Soccer (V)—Brandeis, Home, 3:30 pm

Tuesday, November 3

Cross country (V)—Greater Bostons at Franklin Park

Cross country (F)—Greater Bostons at Franklin Park

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